

# **Report of Internship at OneShield India Pvt. Ltd.**

An Internship Report for

CSA 652 : Industry Internship/Software project

Credits: 16

Submitted in partial fulfilment of Masters Degree

Master of Computer Application

by

**BABAN KRISHNA GAWAS**

Seat Number: 2208

ABC ID: 879-014-037-014

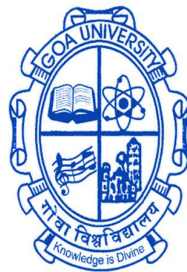
PRN: 201801598

Under the Mentorship of

**Ms. Teja Kundaikar**

Goa Business School

Discipline of Computer Science & Technology



**GOA UNIVERSITY**

**Date: 05 June 2024**

Examined by:

Goa Business School

### **DECLARATION BY STUDENT**

I hereby declare that the data presented in this Internship report entitled, “**Report of Internship at OneShield India Pvt. Ltd.**” is based on the results of investigations carried out by me at **OneShield India Pvt. Ltd.**, under the mentorship of **Ms. Teja Kundaikar** and the same have not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will not be responsible for the correctness of observations / experimental or other findings given the internship report.

I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to anyone as needed.

Baban Krishna Gawas  
Seat No: 2208

Date: 5 June 2024  
Place: Goa University

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## OFFER LETTER

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### INTERNSHIP AGREEMENT

In consideration of the mutual covenants contained herein, OneShield India Private Limited, an Indian corporation (the "Company"), with a registered address at M1A Basement, Malviya Nagar, New Delhi, Delhi, India, Zip Code 110017 and I ("Intern") agree as follows:

1. I understand this internship is an opportunity for me to gain valuable skills and practical work experience in software development in the Property and Casualty industry.]
2. I will perform the Services described in Schedule A, a copy of which is attached hereto, and the Company shall compensate me as provided therein.
3. I hereby accept and agree to be bound by the Company's Terms of Internship Agreements, a copy of which is attached hereto and marked "Schedule B."
4. I hereby accept and agree to be bound by the Company's Invention and Confidentiality Agreement, a copy of which is attached hereto and marked "Schedule C".
5. Schedules A, B and C are hereby incorporated into this Agreement by this reference and shall form a part of this Agreement.

Date: 11 January 2024

Intern:

DocuSigned by:  
  
 623426089737402

Name: Baban Krishna Gawas  
 Address: H No- 171/C(P)- Karkyacha Whal Revora  
Bardez North Goa, Goa, Pin Code 403513  
 Mobile Number: +91 8007443262

Accepted:  
OneShield India Private Limited

By: Col Gian Singh Kadian  
 079797888250067

Name: Gian Singh Kadian  
 Title: Director  
 1/18/2024

Schedule A to Internship Agreement  
between  
~~OneShield~~ India Private Limited  
("Company")  
and  
Baban Krishna Gawas, as "Intern"

1. Services. Intern shall provide various services to Company as may be assigned under and pursuant to the direction of Gian Singh Kadian (or other managers as may assigned to oversee Intern, whom Company may change from time to time with notice to Intern). Intern shall devote the amount of time as is required to perform the Services. In the normal course, it is expected that Intern will devote five full days per week to the performance of Services. Intern shall not work more than 40 hours in any week without advance written approval from Company.
2. Term. The term of this Agreement will be six months commencing on 17 January 2024.
3. Compensation and Expenses. Company will pay Intern a stipend of INR 145 per hour for time spent ~~actually performing~~ the Services and excludes travel time. Company will also reimburse Intern reasonable expenses incurred in connection with Intern's provision of Services, subject to Company's expense reimbursement policy as in effect from time to time. Intern will obtain pre-approval of expenses from Company before incurring them.
4. Paid Time Off. Intern will be entitled to 2.5 days of paid time off per calendar month in addition to holidays published on the ~~OneShield~~ holiday calendar.

Schedule B to Internship Agreement  
between  
~~OneShield~~ OneShield India Private Limited (“Company”)  
and  
Baban Krishna Gawas, as “Intern”

Terms of Internship Agreement

All services performed or undertaken to be performed by Intern for Company while this Agreement is in effect shall be deemed to be subject to the following terms, unless otherwise agreed in writing before the performance of such services is started.

1. Company shall provide necessary training to the Intern before any work assignment.
2. The successful completion of training as determined by the Company shall be a pre-requisite for the continuance of this agreement.
3. Stipend and reimbursable expenses will be made by Company in accordance with Company’s payroll cycle and expense reimbursement policies in effect from time to time, following submission of invoices and receipts in acceptable form to Company.
4. Intern is not an employee of Company nor are the parties engaged in a joint venture or partnership. Under no circumstances shall Intern be entitled to participate in or receive any benefit or right under any of Company’s employee benefit or welfare plans. Intern agrees to pay taxes required by law to be paid by him as and when the same become due and payable. However, Intern agrees that Company in its discretion may withhold from amounts otherwise payable to Intern amounts on account of taxes and other statutory dues which Company determines it may be required to withhold.
5. The Agreement shall expire upon such time as specified in Paragraph 2 of Schedule A to this agreement. Prior to expiration, the Agreement may be terminated immediately by either party upon written notice for any reason. Following such termination, Intern will be paid for services rendered and reimbursable expenses incurred up to the date of termination and Intern will continue to be bound by the terms of Schedule C.
6. Intern warrants and represents that (i) no conflict of interest exists or will exist in respect of the provision of services under the Agreement (ii) that entering into this Agreement and providing the services described hereunder does not conflict with any other agreement to which the Intern may be bound.
7. Any written notice to be given under the Agreement, including notices of change of address, shall be delivered in hand or by registered or certified mail to the address of the party to whom such notice is sent set forth in the Agreement.
8. The Agreement shall be construed, interpreted and applied in accordance with the substantive laws of India, excluding its conflicts of laws rules.

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9. The Agreement, together with Schedules A, B and C, which form a part of the Agreement, constitute and fully express the entire agreement between the parties. All prior discussions, understandings, promises and agreements are merged into the Agreement. The Agreement may not be modified, waived or extended unless in writing signed by the party sought to be bound thereby, and it may not be terminated except as provided in paragraph 6 of this Schedule B.



Schedule C to Internship Agreement  
between  
OneShield India Private Limited ("Company")  
and  
Baban Krishna Gawas, as "Intern"

Invention, Confidentiality and Nonsolicitation Agreement

**1. Definitions.**

1.1 "Products" shall mean all computer programs and other products and services developed and/or licensed, sold, leased or otherwise distributed or put into use by the Company, during the term of the Intern.

1.2 "Confidential Information" means all valuable information of the Company, both written and oral, which may give the Company a competitive advantage and is not generally known to others. It includes, without limitation, the Inventions (as such term is defined in Section 2.1 below), customer lists and data, computer programs and documentation for such programs, information, strategies, internal reports and memoranda and other data relating to the development, manufacturing, costs, marketing, licensing, sales and uses of the Products, the source of supplies for the Products, the Company's budget and strategic plans, and the identity and special needs of customers for the Products. All Confidential Information and copies thereof are the sole property of the Company. Without prejudice to the foregoing, Confidential Information shall also include proprietary information and/or know-how provided by the Company's parent company (viz., OneShield Inc.) to the Company, including its Employees, whether such information is marked 'confidential' or not.

1.3 "Third Party Confidential Information" shall mean information or data, furnished to the Company by third parties, as to which the Company has assumed obligations of confidentiality.

1.4 "Documents" shall mean all tangible embodiments of Inventions, the Company's Confidential Information, or Third Party Confidential Information, in written or printed form, electronic storage media, or other tangible media of expression.

**2. Assignment of Inventions.**

2.1 **Disclosure.** Intern shall promptly and fully disclose to the Company any and all computer programs and documentation, inventions, discoveries, developments, modifications, designs, data, techniques, know-how, trade secrets, concepts, ideas or intellectual property rights, or any interest therein, whether or not patentable, or registrable under copyright, trademark or similar statutes, that are authored, conceived, developed, reduced to practice or prepared by Intern alone or by Intern and others, during the period of Intern's employment with the Company, relating to either the Products or to any prospective activities of the Company known to Intern as a consequence of employment with the Company or resulting from tasks assigned to Intern by the Company or from the use of premises or personal property (whether tangible or intangible) owned, leased or contracted for by the Company (the "Inventions").

**2.2 Further Assurances.** Intern will, during the Internship and at any time thereafter, at the request and cost of the Company, promptly sign, execute, make and do all such deeds, documents, acts and things as the Company and its duly authorized agents may reasonably require to apply for, obtain and vest in the name of the Company alone (unless the Company otherwise directs) letters patent, copyrights or other analogous protection relating to Inventions in any country throughout the world and when so obtained or vested to renew and restore the same, all without further compensation; and to defend any opposition proceedings in respect of such applications and any opposition proceedings or petitions or applications for revocation of such letters patent, copyright or other analogous protection.

**2.3 Works Made For Hire.** Intern acknowledges that all Inventions, including without limitation all computer programs, documentation, works of authorship and copyrightable works prepared in whole or in part by Intern in the course of Intern's employment, shall be "works made for hire" under the Indian Copyright Act of 1957 (the "Copyright Act"), and shall be the sole property of the Company and the Company shall be the sole author of such works within the meaning of the Copyright Act. All such works, as well as all copies of such works in whatever medium, shall be owned exclusively by the Company and Intern hereby expressly disclaims any and all interests in such works. If the copyright to any such work shall not be the property of the Company by operation of law, Intern hereby and without further consideration, irrevocably assigns to the Company all right, title and interest in such work, including all so-called "moral rights," and will assist the Company and its nominees in every proper way, at the Company's expense, to secure, maintain and defend for the Company's own benefit copyrights and any extensions and renewals thereof on such work, including translations thereof in any and all countries, such work to be and to remain the property of the Company whether copyrighted or not. If the foregoing moral rights cannot be so assigned under the applicable laws of the countries in which such rights exist, Intern hereby waives such moral rights and consents to any action of the Company that would violate such rights in the absence of such consent. Intern hereby irrevocably waives the provisions of Section 19 of the Copyright Act, and acknowledges that the rights transferred under this Agreement shall neither lapse nor revert to the Intern, even if the Company does not exercise the rights under assignment within a period of one (1) year from the date of such assignment.

**2.4 Assignment.** Without in any way limiting the foregoing, Intern hereby assigns to the Company (unless the Company otherwise directs) all right, title and interest to all Inventions, including but not limited to copyright and patent rights.

**2.5 Power of Attorney.** In the event the Company is unable, after reasonable effort, to secure Intern's signature on any letters patent, copyright or other analogous protection relating to an invention, whether because of Intern's physical or mental incapacity or for any other reason whatsoever, Intern hereby irrevocably designates and appoints the Company and its duly authorized officers and agents as his agent and attorney-in-fact, to act for and in his behalf and stead to execute and file any such application or applications and to do all other lawfully permitted acts to further the prosecution thereon with the same legal force and effect as if executed by Intern.

**2.6 Intern Developments.** Intern represents that all developments, inventions, works of authorship or other intellectual property rights to which Intern claims ownership as of the date of this Agreement (the "Intern Developments"), and which the parties agree are excluded from this Agreement, are listed in Exhibit A attached hereto. If no such Intern Developments are listed on Exhibit A, Intern represents that there are no such Intern Developments at the time of signing this Agreement.

### 3. Confidential Information.

**3.1 Confidentiality.** Intern agrees that all Confidential Information as defined above, whether furnished to Intern by the Company or developed solely by Intern or with others and ~~w~~whether or not developed in whole or in part with the use of other Confidential Information disclosed to Intern by the Company, shall be the exclusive property of the Company. Intern further agrees that no Confidential Information shall be disclosed by Intern to any third party (not including another Intern of the Company, unless specifically directed otherwise) during employment by the Company or after termination thereof, or used by Intern after termination of employment with the Company, except as permitted or directed by the Company's Chief Executive Officer or President.

**3.2 Third Parties.** Except as directed by Intern's supervisor, Intern shall never, directly or indirectly, use, publish, disseminate or otherwise disclose any Third Party Confidential Information.

### 4. Use and Return of Documents.

Intern will not copy any Documents nor remove any Documents or copies thereof from the Company's premises except to the extent necessary to his/her Internship and subject to obtaining the written authorization of Intern's supervisor. Upon the termination of Intern's employment with the Company, Intern shall return immediately to the Company any and all Documents and copies thereof then in his/her possession or control.

### 5. Restrictions on Solicitation.

**5.1 Restricted Activity.** During the Internship with the Company and for 12 months after termination for any reason of the Internship, including, without limitation, discontinuation of Internship, absent the Company's prior written approval, Intern shall not (i) hire or attempt to hire any Employee of the Company, or assist any third party in such hiring or attempted hiring, to work as an Employee or independent contractor elsewhere, or otherwise induce such Company Employee to terminate employment with the Company, and (ii) enter into or attempt to enter into any transaction, or assist any third party in entering into or attempting to enter into such transaction, with any entity, which as of the last date of the Internship with the Company was a customer of the Company or was a potential customer of the Company which the Company was pursuing, which would be competitive in any way with the Company. During the Internship with the Company and for all periods thereafter Intern shall not disparage, slander, or defame the Company.

Notwithstanding the foregoing, nothing in this Agreement will restrict the Intern from obtaining employment at a competitor of the Company following the termination for any reason of Internship with the Company.

**5.2 Notice of Subsequent Employment.** Intern shall, for a period of 12 months after the termination of Internship with the Company, notify the Company of any change of address, and of any subsequent employment (stating the name and address of the employer and the nature of the position) or other business activity.



## 6. Publicity.

The Company, its subsidiaries and affiliates may use Intern's name and likeness in or in connection with any technical or promotional material published by them, without further compensation to Intern.

## 7. Employment.

7.1 Intern agrees that this Agreement does not create an obligation on the part of the Company to make an offer of employment with the Company. Intern agrees that either the Company or Intern may terminate the Internship with the Company at any time with or without cause, subject to the terms of this agreement.

7.2 **No Other Agreement.** Intern warrants that Intern is not subject to any agreement or obligation with any other party which would or could in any way conflict with Intern's obligation under this agreement, except as set forth in Exhibit B.

7.3 **Entire Agreement.** This Agreement represents the sole agreement between the Company and Intern with respect to the subject-matter hereof and there are no other agreements oral or written, related to Internship with the Company or post Internship obligations to the Company. Intern agrees that any modification or waiver of this Agreement by Intern or agent of the Company will not be effective unless it is done by written amendment signed by an authorized corporate officer of the Company and Intern.

## 8. Miscellaneous.

8.1 **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of India, excluding its conflicts of laws rules.

8.2 **Consent to Jurisdiction.** Without limitation, Intern hereby consents and submits to the jurisdiction of the competent courts situated in Gurgaon, India, and will accept service of process by courier, hand-delivery, registered post or the equivalent directed to Intern's last known address or by such other means permitted by such court.

8.3 **Remedies.** Intern acknowledges that in the event of a breach of the provisions of Sections 2, 3, 4, or 5, the damages to the Company would be irreparable and would entail inevitable wrongful use or disclosure of the Confidential Information and/or Third Party Confidential Information. Intern therefore agrees that in addition to provable damages and reasonable attorneys' fees, the Company shall be entitled to enjoin any such breach or seek specific performance or other equitable relief in any competent court.

8.4 **Interpretation.** If any one or more of the provisions contained in this Agreement shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, it shall not affect any other provisions of this Agreement. If any provision in this Agreement shall be held to be excessively broad, it shall be construed by limiting it so as to be enforceable to the extent compatible with applicable law.

8.5 **Assignment.** This Agreement shall bind and inure to the benefit of the Company and any successor of the Company by reorganization, merger, consolidation or liquidation and any assignee of all or substantially all of its business or assets, but otherwise this Agreement may not be assigned by the Company or Intern.

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**8.6 Waiver of Breach.** The waiver by any party of a breach of any provision of this Agreement shall not operate or be construed as a waiver of any subsequent breach.

**8.7 Existing Employment Relationship.** If this Agreement is executed by Intern after the start of Internship with the Company, it is deemed to have been in effect since the inception of the Intern relationship.

**8.8 Enforcement.** The Intern agrees to give all necessary assistance to the Company to enable it to enforce its intellectual property rights against third parties, to defend claims for infringement of third party intellectual property rights and to apply for registration of intellectual property rights, where appropriate throughout the world, and for the full term of those rights.

**8.9 Maintenance of Records.** The Intern agrees to keep and maintain adequate, current, accurate, and authentic written records of all documents prepared by him/her (solely or jointly with others) during the term of his / her Internship with the Company. The records will be in the form of notes, sketches, drawings, electronic files, reports, or any other format that may be specified by the Company. As between the Intern and the Company, the records are and shall be available to and remain the sole property of the Company at all times.

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EXHIBIT A

List of Intern Developments

None

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**EXHIBIT B**

**List of Conflicting Agreements**

**None**

## INTERNSHIP CERTIFICATE



OneShield India Private Limited  
Units 611 to 618, Sixth Floor  
Gera's Imperium Grand, Patto Center  
Panaji, Goa, India, 403001

**Move Beyond.**

OneShield.com  
hrindia@oneshield.com  
CIN: U74999DL2005PTC134945

June 6, 2024

### To Whomsoever It May Concern Internship Certificate

It is to certify that Mr. Baban Krishna Gawas, a student of Master of Computer Application from Goa University, currently enrolled in the Internship program at OneShield India Private Limited from 17 January 2024 until 15 July 2024, under the supervision of Ms. Kumari Sweta, Lead Quality Engineer.

Baban is working on a Quality Assurance project. He puts in his best effort to complete assigned tasks. His performance is at par with our expectations.

Thank you,

For OneShield India Private Limited

Nishad Hasan Khan  
Associate Manager - HR



**COMPLETION CERTIFICATE**

This is to certify that the internship report “**Report of Internship at OneShield India Pvt. Ltd.** ” is a bonafide work carried out by Mr. Baban K. Gawas ,under my mentorship in partial fulfillment of the requirements for the award of the degree of Masters of computer Application in the Discipline of Computer Science andTechnology at the Goa Business School, Goa University.

Signature and Name of Mentor

Date:

Signature of Dean of School  
Date:  
Place: Goa University

Goa Business School

## **ACKNOWLEDGEMENT**

First and foremost, I would like to thank Goa Business School, Goa University, for giving me the opportunity to carry out an internship and acquire real-world industrial experience.

I extend my heartfelt gratitude to Ms. Teja Kundaikar and all the faculty members of the MCA department at Goa University for their constant encouragement and support during my project work.

I am deeply thankful to OneShield India Pvt. Ltd. for allowing me to undertake this internship and for considering me capable of working on their project. My sincere thanks to Mr. Cameron Parker (CEO, OneShield Pvt. Ltd.), Mr. Brandon Parker (President and COO, OneShield Pvt. Ltd.), and Mr. Vivek Gujral (VP and CTO, OneShield India Pvt. Ltd.) for providing me with this opportunity and for their invaluable guidance throughout the internship.

I am also grateful to Mr. Puneet Khurana (VP Talent, OneShield India Pvt. Ltd.) and Ms. Nishad Hasan Khan (Associate HR Manager, OneShield India Pvt. Ltd.) for their assistance and support whenever needed.

My heartfelt appreciation goes to Mr. Rohit Kumar Jha (Engineering Manager, Product Engineering, OneShield India Pvt. Ltd.), Ms. Kumari Sweta (Lead Quality Engineering, OneShield India Pvt. Ltd.), and Ms. Shailee Aswal (Associate Architect Quality Engineering) for their time, patience, and support. I would also like to thank my team members, Ms Eshani Nitin Shilker (Sr. Quality Engineer), Mr. Jonathan David Saldanha (Project Coordinator), Mr. Sridatt Ravishankar Kamath (Sr. Implementation Consultant), and Mr. Shubham Santosh Naik (Desktop Support Engineer), along with the entire OneShield family, for providing me with the necessary resources and guidance.

I am especially thankful to all OneShield India employees for their attention and time during my internship.

Finally, I would like to express my gratitude to my family and friends for their unwavering guidance and support in all aspects.

Thank you all for your contributions and encouragement.

## **EXECUTIVE SUMMARY**

This report presents my internship experience at OneShield India Pvt Ltd, carried out under the mentorship of Ms. Teja Kundaikar from Goa University. OneShield, Inc. provides core business software solutions for the global P&C and General Insurance industry, offering products like policy management, billing, rating, product configuration, and business intelligence solutions.

During my internship, I was part of the Automation Team under the OneShield Enterprise section, where I worked on automating test cases related to Reinsurance and PAS value stream. My primary tasks included writing automation scripts, performing unit testing, analyzing CI/CD run results, conducting CWT analysis, fixing test case failures, creating Jira tickets, and participating in scrum meetings.

Throughout this period, I gained practical exposure to various tools and technologies such as Selenium, Maven, Cucumber, Extent Reports, and Java. I also developed personal insights into my strengths in problem-solving and adaptability to new technologies.

The main challenges I faced included understanding the entire concept of automation testing, integrating various tools, meeting deadlines, and creating efficient master functions for test cases.

## CHAPTER 1: ORGANIZATION/COMPANY

### 1.1 BIRDS-EYE-VIEW

OneShield, Inc. delivers core business software solutions to the global P&C and General Insurance industry. Their portfolio includes enterprise-class policy management, billing, rating, product configuration, and business intelligence solutions. OneShield simplifies core systems complexities with targeted solutions, seamless upgrades, and collaborative implementations, aiming for lower total cost of ownership. Founded in 1999, OneShield is headquartered in Marlborough, Massachusetts, and has offices in Australia, Canada, and India.

### 1.2 PRODUCTS/SERVICES

OneShield's key products and services include:

- **OneShield Enterprise:** A versatile platform for P&C insurers and MGAs, comprising policy, rating, billing, claims, relationship management, reporting, and analytics.
- **OneShield Market Solutions:** A cloud-based suite designed for MGAs, providing policy management, billing, and claims handling with rapid deployment and scalability.
- **OneShield Designer:** A configuration toolset that allows insurers to design workflows, define business specifications, and deploy insurance products efficiently.

### 1.3 SECTIONS WITHIN THE ORGANIZATION

The organization is structured into following sections, including:

- **OSE (OneShield Enterprise):** Teams working on the OSE product, from Customer Success Delivery to Development and Deployment teams.
- **OMS (OneShield Market Solutions):** Teams working on the OMS product, including Customer Success Delivery, Development, and Deployment teams.
- **HR and Finance:** Teams managing Human Resource and Financial aspects.
- **Training:** Teams responsible for new employee training, internal team switches, client training, and overall training.
- **Ops:** Teams handling various operations, including TechOps (technical requirements), DevOps (product deployment), and SecOps (security compliance and issues).

## **CHAPTER 2: TASK (S) HANDLED**

### **2.1 Automating Test Cases:**

My main task was to automate the test cases using the gherkin language using Automation test suit configured in eclipse. I have automated 100+ test cases until now.

Responsibilities:

- Manually testing the test case.
- Analyzing the requirements for the test case.
- Writing the automation script using predefined gherkin steps and masterfunctions.
- Unit testing the automation script.
- Get the script peer reviewed.
- Commit the code to the git repository.
- Analyze the CI/CD run result to make sure that the automated test script passes.

Tools and Technologies used:

- Eclipse
- Gitlab
- Tortoise Git
- Cucumber
- Gherkin
- Java
- Selenium
- Maven
- Extent Reports
- Zephyr
- Jenkins
- JSON

### **2.2 CWT (Comprehensive Workflow Testing) Analysis:**

After every CWT run in CI/CD, we analyze the result and check for failures. Summarize the failures into categories. I have completed 2 Full and 2 Regression analysis of PAS value stream in CWT run.

Responsibilities:

- Analyze Full/Regression CWT result.
- Note down failure reasons in Excel sheet
- Categorize the failures if it falls under existing fix or bug.
- Raise Bug/CR/AD for new failures.
- Update the SharePoint page with the failure reasons.

Tools and Technologies used :

- Excel

- Extent Reports
- Notepad
- SharePoint

### **2.3 Fixing CWT (Comprehensive Workflow Testing) Failures:**

After completion of CWT analysis some raised CRs and ADs were assigned to me. I have fixed 50+ test case failures.

Responsibilities:

- Manually reproducing the failure.
- Analyzing the reproduced failure using execution logs and Extent Report.
- Finding fixes for the failures and updating the failed test cases.
- Unit testing the fixed test cases in both environments.
- Get the fix peer reviewed.
- Commit the code to the git repository.
- Analyze the CI/CD run result to make sure that the fixed test scripts pass.

Tools and Technologies used:

- Eclipse
- Gitlab
- Tortoise Git
- Cucumber
- Gherkin
- Java
- Selenium
- Maven
- Extent Reports
- Zephyr
- Jenkins
- JSON

### **2.4 Creating Jira Tickets:**

Create Various Types of JIRA Tickets and manage tickets assigned to me. I have completed 100+ tickets and raised 9 CRs and 7 Bugs.

Responsibilities:

- Creating Bug tickets for Bugs detected by me during unit testing and CWT analysis.
- Creating CR tickets for New UI changes done in the Application.
- Creating A&D tickets for analyzing complex bugs and developing solutions for them.
- Manage the tickets assigned to me.

Tools and Technologies used:

- JIRA

### **2.5 Scrum Meetings:**

We have scrum meetings every day for tracking and discussing the development and issues faced by the team members so that everyone is on the same page.

Responsibilities:

- Discuss about the progress of my assigned tickets, tasks handled, and issues faced by me throughout the day.

## **CHAPTER 3: LEARNING**

### **3.1 Practical Exposure**

Practical exposure to tools like Selenium, Maven, Cucumber, Extent Reports, and Java has deepened the understanding of automation testing. Proficiency in writing efficient test scripts, managing dependencies with Maven, and implementing behavior-driven development (BDD) using Cucumber has been achieved. Insights into generating detailed test reports with Extent Reports have enhanced the ability to analyze and communicate test results effectively.

### **3.2 Personal Insights**

Through this experience, strengths and preferences in the testing domain have been discovered. A natural inclination towards problem-solving and a knack for finding creative solutions to testing challenges have been identified. The ability to adapt to new technologies has exceeded expectations, showcasing an aptitude for learning and growth. A preference for environments fostering innovation and continuous improvement has been observed.

### **3.3 Training and Certifications**

Various courses and training sessions have been undertaken to enhance skills in testing and development:

- AINS 101 - Increasing Your Insurance IQ
- AINS 103 - Exploring Commercial Insurance
- OneShield Enterprise Application Walkthrough
- Guidelines for Creating Jira Tickets and Jira Ticket Severity Definitions
- Zephyr Training
- Java Skills Refresh
- Cucumber Refresh
- Understanding Automation Test Suite
- Guidelines and Best Practices for Automation Tests
- Practice exercise discussion - Policy Test automation

### **3.4 Tools & Technologies**

#### **3.4.1 GitLab**

GitLab is a comprehensive DevOps platform providing version control, CI/CD, and project management capabilities. It integrates with Git for source code management, automating testing, building, and deployment processes. Features include issue tracking, code review, and merge requests, with support for containerization and robust security features.



### 3.4.2 Eclipse

Eclipse IDE for Java EE Developers offers a suite of tools tailored for Java EE development. It supports various server environments, integrates with Maven and Gradle for dependency management, and provides database development tools. Advanced debugging and testing tools, along with support for version control systems, enhance development efficiency.

### 3.4.3 Automation Test Suit Tool

The seamlessly integrated automation test tool within Eclipse EE IDE offers predefined steps for streamlined test script development. It features a comprehensive web repository, facilitating efficient testing, and integrates with Extent Reports for comprehensive test result analysis.

### 3.4.4 Tortoise Git

Tortoise Git is a Windows Shell Interface to Git, offering functionalities such as committing, showing logs, diffing two versions, and creating branches and tags.

### 3.4.5 Extent Reports

Extent Reports is an open-source reporting library useful for test automation. It integrates with major testing frameworks, allowing the creation of detailed, interactive reports for tests.

### 3.4.6 JIRA and Zephyr

JIRA is a project management tool facilitating issue tracking, task assignment, and progress monitoring. Zephyr is a test management solution integrating with JIRA, providing comprehensive testing capabilities within the project management environment.

## 3.5 Languages & Frameworks

**3.5.1 Gherkin:** Gherkin is a human-readable language used by Cucumber for writing tests. It structures scenarios using keywords like Feature, Background, Scenario, Given, When, Then, And, and But, making tests clear and understandable.

**3.5.2 Cucumber:** Cucumber is a BDD framework allowing test cases to be written in plain language using Gherkin syntax. It supports various languages, promotes collaboration between technical and non-technical stakeholders, and generates detailed reports, ensuring software behaves as expected.

**3.5.3 Selenium:** Selenium is an open-source framework for automating web browsers. It supports multiple languages, interacts directly with browsers, ensures cross-browser testing, and integrates well with other tools like TestNG and JUnit.

**3.5.4 Java:** Java is a versatile, high-level programming language known for its "write once, run anywhere" philosophy. It's object-oriented, offers extensive functionality, and is widely used in web development, enterprise applications, and scientific computing.

**3.5.5 Maven:** Maven is a build automation and project management tool primarily for Java projects. It simplifies the build process, centralizes dependency management, supports various build lifecycle phases, and enhances productivity and consistency in managing Java project lifecycles.

## **CHAPTER 4: CHALLENGES**

### **4.1 Challenges in Automation Testing:**

Understanding the broader concept of automation testing is a multifaceted challenge. It involves more than just mastering individual tools like Selenium or Cucumber; it requires understanding how automation fits into the entire software development lifecycle. This encompasses aspects such as test coverage, maintainability, and scalability, which can be overwhelming. Additionally, integrating automation seamlessly into agile practices and continuous integration pipelines adds complexity. Overcoming this challenge demands continuous learning, hands-on experience, and collaboration with experienced professionals to gain a holistic understanding of automation testing's role and impact.

### **4.2 Unfamiliar Activities:**

Encountering unfamiliar activities, such as integrating Cucumber with Selenium for behavior-driven development (BDD) testing, presented a significant challenge. This required learning new concepts and practices within tools like Eclipse IDE. Overcoming this challenge necessitated investing extra time in self-learning and seeking guidance from colleagues. It involved delving into documentation, experimenting with configurations, and troubleshooting issues to ensure successful integration and implementation of BDD practices.

### **4.3 Meeting Deadlines:**

Balancing the need for comprehensive testing with meeting tight deadlines in the fast-paced software development environment posed a significant challenge. The pressure to deliver quality software within limited timeframes required effective time management and prioritization skills. Despite these challenges, I successfully navigated tight schedules by optimizing test execution strategies, focusing on critical test scenarios, and collaborating closely with development teams to align priorities and expectations.

### **4.4 Understanding Automation Test Suite Tool:**

Comprehensively understanding the automation test suite tool integrated into Eclipse EE IDE presented its own set of challenges. While the tool offered valuable capabilities for test script development and execution, fully grasping its functionalities and optimizing its usage demanded continuous learning and experimentation. This involved exploring the tool's features, experimenting with different configurations, and troubleshooting issues to maximize its effectiveness in supporting our testing processes.

### **4.5 Creating Efficient Master Functions:**

Crafting and modifying master functions for test cases emerged as a significant challenge during my internship. Master functions are essential components that encapsulate commonly repeated steps across multiple test cases, requiring them to

be highly adaptable and reusable. This process demanded meticulous attention to detail and the ability to anticipate various testing scenarios to ensure the robustness and efficiency of the testing framework. Overcoming this challenge involved iteratively refining and optimizing master functions to enhance the efficiency and scalability of our testing processes, ultimately contributing to improved test coverage and reliability.

## Appendix I: SAMPLES OF WORK DONE

### Automated Test Cases in Eclipse:

```
eclipse-workspace - AutomationTestSuite/src/test/resources/featureFiles/DerivedExecutionDefinition/CWT_NewUI/Reinsurance/UC_10.02.01_AssociateReinsArrangementsQuotePolicy/AllCov/1Vehicle/EOL/1_EOLfeature - Eclipse IDE
File Edit Navigate Search Project Run Window Help
1 #UC_10.01.02_Manage_Reinsurance_Arrangements_In_The_System @VS_REINSURANCE @LOB_ALL-LOB @REINSURANCE @Prod7_ActiveFeature
2 Feature: Manage Reinsurance Arrangements - Excess of Loss All Coverages 1 vehicle
3 This feature file contains the scripts for managing (creating and updating) reinsurance arrangements of type Excess Of Loss in the system.
4
5 @REINSURANCE_ACTIVE-FEATURES_ALL-LOB_PREREQUISITE @PreRequisite @T11397 @T11630 @T11623 @T11619 @T11627 @T11629 @T11208
6 Scenario Outline: Fetching the Reinsurer name from the arrangement.
7 This scenario contains the script to Fetch the Reinsurer name from the arrangement.
8
9 Given user fetches data against the "1" index from the "Reinsurance_AllLOB_Arrangement" data source and saves the data in the "reinsuranceKeySet" key where "test_data_index" is "ctest_data"
10 Given user logs in to the application as "Upgraded UI Marketing Director" user
11 And user clicks "Reinsurance Management"
12 And user clicks on "clear all filters" button if it's displayed
13 And user applies filter on table "Treaties" using elliptical filters with the following key-value pairs:
14 | Field Name | Value
15 | Arrangement Name | :reinsuranceKeySet.arrangement_name
16 And user clicks "arrangement name"
17 And user clicks "reinsurance summary"
18 And user fetches value from row number 1 of cell "reinsurer xol1" in table and stores the value in key "reinsurerValue1"
19 And user fetches value from row number 2 of cell "reinsurer xol1" in table and stores the value in key "reinsurerValue2"
20 And user fetches value from row number 3 of cell "reinsurer xol1" in table and stores the value in key "reinsurerValue3"
21
22 Examples:
23 | reinsuranceKeySet | test_data | reinsurerValue1 | reinsurerValue2 | reinsurerValue3 |
24 | reinsuranceKeyDetails | test_data_9 | reinsurerC11 | reinsurerC12 | reinsurerC13 |
25 | reinsuranceKeyDetails | test_data_36 | reinsurerND1 | reinsurerND2 | reinsurerND3 |
26
27
28 @REINSURANCE_ACTIVE-FEATURES_ALL-LOB_ASSOCIATE-ARRANGEMENTS @PreRequisite @T1208 @T11619 @T11630 @T11627 @T11629 @T11617 @T11516 @Test @T11397
29 Scenario Outline: <testCaseID> - Back Dated PA Policy having 1 Vehicle
30 This scenario contains the script to Validate premium and ceding calculations on back dated PA Policy having 1 Vehicle with XOL Arrangement only attached to the Policy
31
32 Given user fetches data against the "1" index from the "AllValueStream_PA_QuoteRegistration" data source and saves the data in the "quoteKeySet" key where "test_data_index" is "ctest_data"
33 Given user fetches data against the "random" index from the "AllValueStream_AllLOB_ReallTimeData" data source and saves the data in the "customerKeySet" key where "state" is "state"
34 Given user fetches data against the "1" index from the "AllValueStream_PA_QuoteTreeDetails" data source and saves the data in the "treeKeySet" key where "quote_type" is "Personal Auto"
35 Given user fetches data against the "1" index from the "AllValueStream_AllLOB_PaymentDetails" data source and saves the data in the "billPlanKeySet" key where "quote_type" is "Personal Auto"
36 When user logs in to the application as "Upgraded UI Senior Underwriter" user
37 And masteruser creates a new quote using direct business in the new UI for Common_AllLOB_Core using "customerKeySet", "largeScheduleYes", "quoteKeySet" and "state"
38 And masteruser adds or updates the quote tree with the mandatory details required for PAS_PA_Ref using "treeKeySet"
39 And user fetches the value of "arrangement risk" and saves it to "arrangementRisk"
40 And user clicks ">>> rate quote"
41 And masteruser requests issue on the new UI for PAS_PA_Ref using "treeKeySet"
42 And masteruser selects Bill Me as a Recurring profile, sets the payment plan and binds for Billing_AllLOB_Core using "billPlanKeySet"
43 And user sets the "premiumValueKey" key with the value as ":premiumValue"
44
45 Writeable Insert 1:1:0
```

```
eclipse-workspace - AutomationTestSuite/src/test/resources/featureFiles/DerivedExecutionDefinition/CWT_NewUI/Reinsurance/UC_10.02.01_AssociateReinsArrangementsQuotePolicy/AllCov/1Vehicle/EOL/1_EOLfeature - Eclipse IDE
File Edit Navigate Search Project Run Window Help
711 @REINSURANCE_ACTIVE-FEATURES_ALL-LOB_ASSOCIATE-ARRANGEMENTS @Test @T11630
712 Scenario Outline: <Reinsurers> - Validate premium and ceding limit calculations - Reinsurance Placement Details table
713 This scenario contains the script to Validate premium and ceding calculations on Reinstatement Policy Reinsurance Page.
714
715 And user sets the "reinsurerValueKey" key with the value as "reinsurerValueKey"
716 When masteruser sets the reinsurance details to Risk Level and sets the values needed for XOL calculations in Reinsurance Placement Details table using "transactionType", "effectiveDate", "placement"
717 And masteruser validates the ceded premium and limit calculated from Cession Details table in the Reinsurance Placement Details table for XOL
718 And masteruser calculates the reinsurer ceded premium for all layers of a reinsurer in Reinsurance Placement Details table for XOL at Risk Level using "subjectPremiumPerAssignment", "roll1", "roll"
719 And masteruser calculates the reinsurer ceded limit for all layers of a reinsurer in Reinsurance Placement Details table for XOL at Risk Level
720
721 Examples:
722 | Reinsurer | reinsurerValueKey | effectiveDate | transactionType | subjectPremiumPerAssignment | placement1 | placement2 |
723 | OSPRODUCT-T11630 - Reinsurer One | :reinsurerC11 | Null | Reinstatement | :subjectPremium | reinsurerOne.placement_eol_layer1 | reinsurerOne.placement_eol_layer |
724 | OSPRODUCT-T11630 - Reinsurer Two | :reinsurerC12 | Null | Reinstatement | :subjectPremium | reinsurerTwo.placement_eol_layer1 | reinsurerTwo.placement_eol_layer |
725 | OSPRODUCT-T11630 - Reinsurer Three | :reinsurerC13 | Null | Reinstatement | :subjectPremium | reinsurerThree.placement_eol_layer1 | reinsurerThree.placement_eol_layer |
726
727 #XOL Only-All Coverages-PA - Connecticut - 1 vehicle
728 @REINSURANCE_ACTIVE-FEATURES_ALL-LOB_ASSOCIATE-ARRANGEMENTS @Test @T11627 @T11629
729 Scenario Outline: <testCaseID> - Filter for the policy and fetch the total insured value
730 This scenario contains the script to Validate premium and ceding calculations on NB Policy Reinsurance Page.
731
732 When user logs in to the application as "Upgraded UI Senior Underwriter" user
733 And user sets the "arrangementRisk" key with the value as "arrangementRisk"
734 And masteruser performs a policy search in the new UI for Product_AllLOB_Core using "keyNumber"
735 And user clicks "reinsurance"
736 And user sets the "totalSubjectPremium" key with the value as "0"
737 And masteruser calculates the subject TIV and subject premium using "transactionType", "effectiveDate" and "arrangementRisk"
738
739 Examples:
740 | keyNumber | testCaseID | transactionType | effectiveDate | arrangementRisk | totalSubjectPremium |
741 | policyNumber3 | OSPRODUCT-T11627/OSPRODUCT-T11629 | Reinstatement | Null | :arrangementRisk3 | totalSubjectPremium |
742
743 #XOL Only-All Coverages-PA - Connecticut - 1 vehicle
744 @REINSURANCE_ACTIVE-FEATURES_ALL-LOB_ASSOCIATE-ARRANGEMENTS @Test @T11627 @T11629
745 Scenario Outline: <layer values> - Validate premium and ceding limit calculations - Cession Details table
746 This scenario contains the script to Validate premium and ceding calculations on NB Policy Reinsurance Page.
747
748 Given user fetches data against the "1" index from the "Reinsurance_AllLOB_Arrangement" data source and saves the data in the "reinsuranceDetails" key where "test_data_index" is "test_data_9"
749 Given user fetches data against the "1" index from the "Reinsurance_AllLOB_XOLCessionType" data source and saves the data in the "cessionDetails" key where "test_data_index" is "test_data_13"
750 Given user fetches data against the "1" index from the "Reinsurance_AllLOB_PartnerDetails" data source and saves the data in the "reinsurerOne" key where "test_data_index" is "test_data_28"
751 Given user fetches data against the "1" index from the "Reinsurance_AllLOB_PartnerDetails" data source and saves the data in the "reinsurerTwo" key where "test_data_index" is "test_data_29"
752 Given user fetches data against the "1" index from the "Reinsurance_AllLOB_PartnerDetails" data source and saves the data in the "reinsurerThree" key where "test_data_index" is "test_data_30"
753 And masteruser sets the reinsurance details to Risk Level and sets the values needed for XOL calculations in Cession Details table using "effectiveDate", "transactionType", "TIVWhAmountTIV"
754
755 Writeable Insert 1:1:0
```

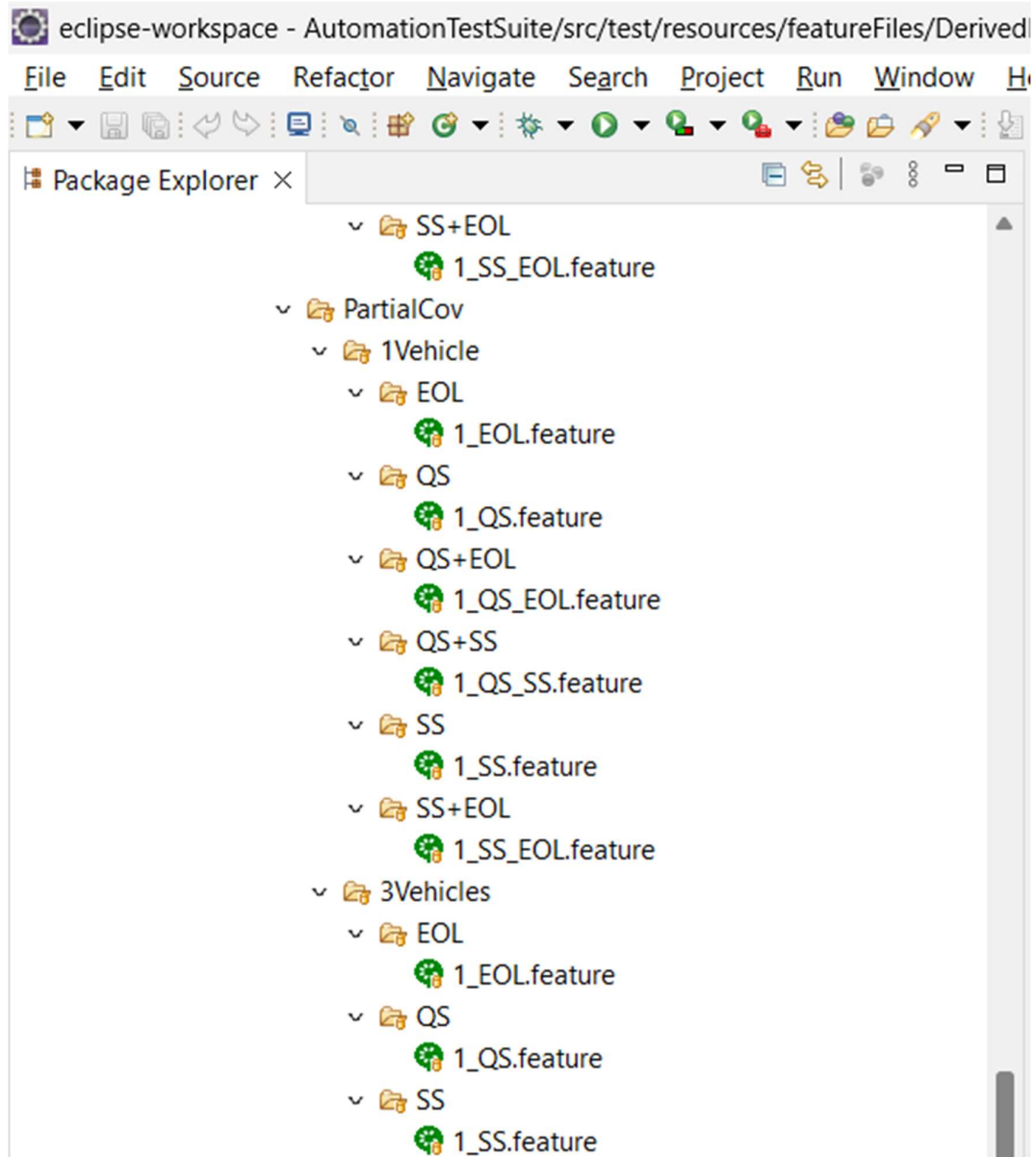
eclipse-workspace - AutomationTestSuite/src/test/resources/featureFiles/Derivec

File Edit Navigate Search Project Run Window Help

Package Explorer ×

- ReInsurance
  - UC\_10.01.01\_ManageReInsPartners
    - ManageReinsurancePartners.feature
  - UC\_10.01.02\_ManageReInsArrangements
    - ManageReinsuranceArrangements.feature
  - UC\_10.02.01\_AssociateReInsArrangementsQuotePolicy
    - AllCov
      - 1Vehicle
        - EOL
          - 1\_EOL.feature
        - QS
          - 1\_QS.feature
          - 2\_QS.feature
          - 3\_QS.feature
        - QS+EOL
          - 1\_QS\_EOL.feature
        - QS+SS
          - 1\_QS\_SS.feature
        - QS+SS+EOL
          - 1\_QS\_SS\_EOL.feature
        - SS
          - 1\_SS.feature
        - SS+EOL
          - 1\_SS\_EOL.feature
      - 3Vehicles
        - EOL
          - 1\_EOL.feature
        - QS
          - 1\_QS.feature
        - QS+EOL
          - 1\_QS\_EOL.feature
        - QS+SS
          - 1\_QS\_SS.feature
        - QS+SS+EOL
          - 1\_QS\_SS\_EOL.feature
        - SS
          - 1\_SS.feature

screenrec





### Jira Tickets Reported by me:

OSPRODUCT-49360  
**BASEPREINT7 || When a location is deleted from the policy, deleted node is still shown on the UI and tree is shown as incomplete.**

Type: Bug  
 Priority: P3 Medium  
 Resolution: Unresolved  
 Affects Version/s: PROD\_7\_2.13.02  
 Fix Version/s: None  
 Component/s: None  
 Security Level: OneShield Employees Only

Labels: Automation\_CWT\_ExecutionBlocker  
 Severity: Medium  
 Value Stream: Policy  
 Business Impact: Unable to process the endorsement on a policy after deleting the location.  
 Business Use Case / Test Steps: https://osjira.oneshield.com/jira/secure/Tests.jspa#/testCase/OSPRODUCT-T9174  
 Missed Requirement: No  
 Client: OneShield Product  
 Approved for OS Product Release: No  
 Environment: Pre-Integration  
 Defect Source: Product

Reporter: Baban Krishna Gawas  
 Assignee: Neha Tyagi  
 QA Lead(s): Manjari Sharma  
 Dates: Created: 5 days ago 4:14 AM, Updated: Yesterday 3:00 AM  
 Agile: Future Sprint: PRODD\_14.02 ends 06/25/2024

### Jira Tickets Resolved by me:

OSPRODUCT-43746  
**Reinsurance || Automate Test Case OSPRODUCT-T10866**

Type: QA Automation - Requirement  
 Priority: P3 Medium  
 Resolution: Completed  
 Affects Version/s: None  
 Fix Version/s: PRODD\_7\_2.10.02  
 Component/s: PRM - ReinsuranceArrangement  
 Security Level: OneShield Employees Only

Labels: None  
 Severity: Medium  
 Value Stream: Reinsurance  
 Business Impact: NA  
 Business Use Case / Test Steps: OSPRODUCT-T10866  
 Missed Requirement: No  
 Client: OneShield Product  
 Line of Business: All

Reporter: Baban Krishna Gawas  
 Assignee: Baban Krishna Gawas  
 QA Lead(s): Shalee Aswal  
 Dates: Due: 02/29/2024, Created: 02/06/2024 06:54 AM, Updated: 05/13/2024 03:25 AM, Resolved: 02/29/2024 03:35 AM, Open Date: 02/22/2024, Fix Date: 02/28/2024



### Zephyr Test Case Ticket:

The screenshot shows a Zephyr test case ticket in Jira. The browser address bar indicates the URL: `osjira.oneshield.com/jira/secure/Tests.jspa#/testCase/OSPRODUCT-T12991`. The ticket title is "Validate that window closes and updates the address from the values returned by the service when the address is exact match." The ticket details include:

- Name:** Validate that window closes and updates the address from the values returned by the service when the address is exact match.
- Objective:** Validate that window closes and updates the address from the values returned by the service when the address is exact match.
- Precondition:** Set `ENABLE_AVS_SERVICE=True`
- Details:** Status: Approved; Priority: P1 Critical; Component: None; Owner: Shivam Gupta; Estimated Time: h/m/m.
- Folder:** /Product/02\_PAS/Address Verification via TPR/Modal Window Validation/Quote-Validation modal window
- Labels:** TicketCreated
- More Information:** Value Stream, Policy, Module, 03\_Address Verification, Use Case Name: UC\_06.02.01\_AddressVerification, Use Case Priority.

A sidebar on the left contains a "SUBSCRIBE" button and a URL: `https://osjira.oneshield.com/jira/secure/Tests.jspa`.

### Commits in the Repository:

The screenshot shows a GitLab user profile for Baban Krishna Gawas. The profile includes:

- Name:** Baban Krishna Gawas
- Username:** @bkgawas
- Member since:** January 30, 2024
- Timezone:** 8:14 AM
- Followers:** 1 follower
- Following:** 0 following

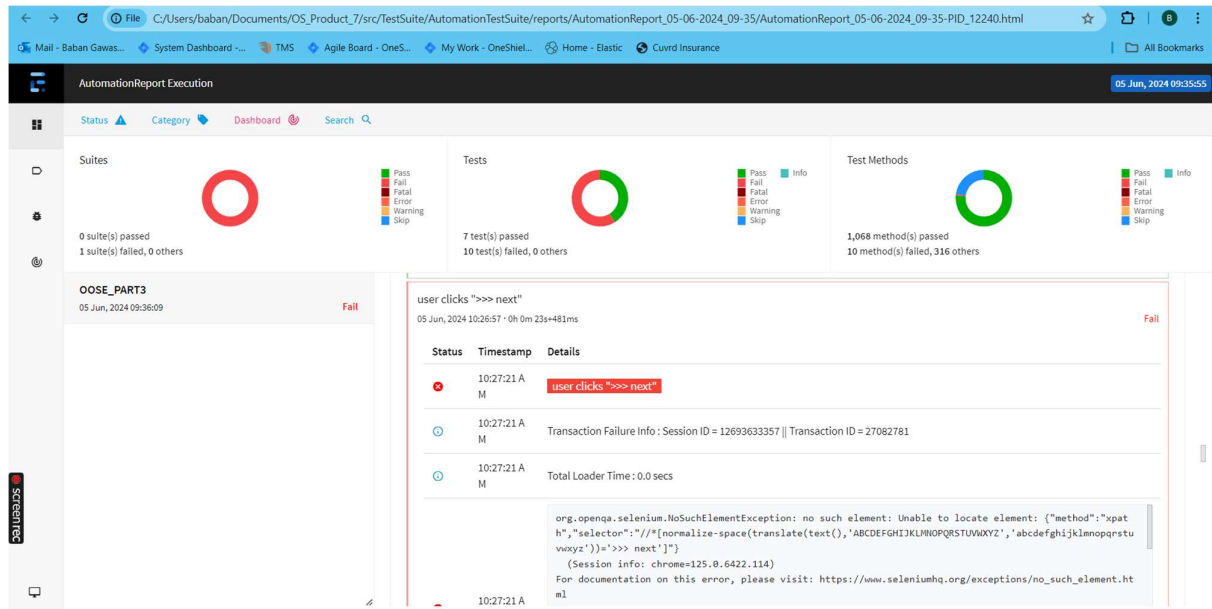
Below the profile is a "Contribution Graph" showing activity from June to June. The graph shows a cluster of blue squares in the months of April, May, and June, indicating frequent commits. A legend below the graph states: "Issues, merge requests, pushes, and comments."

The "Activity" section shows a recent commit:

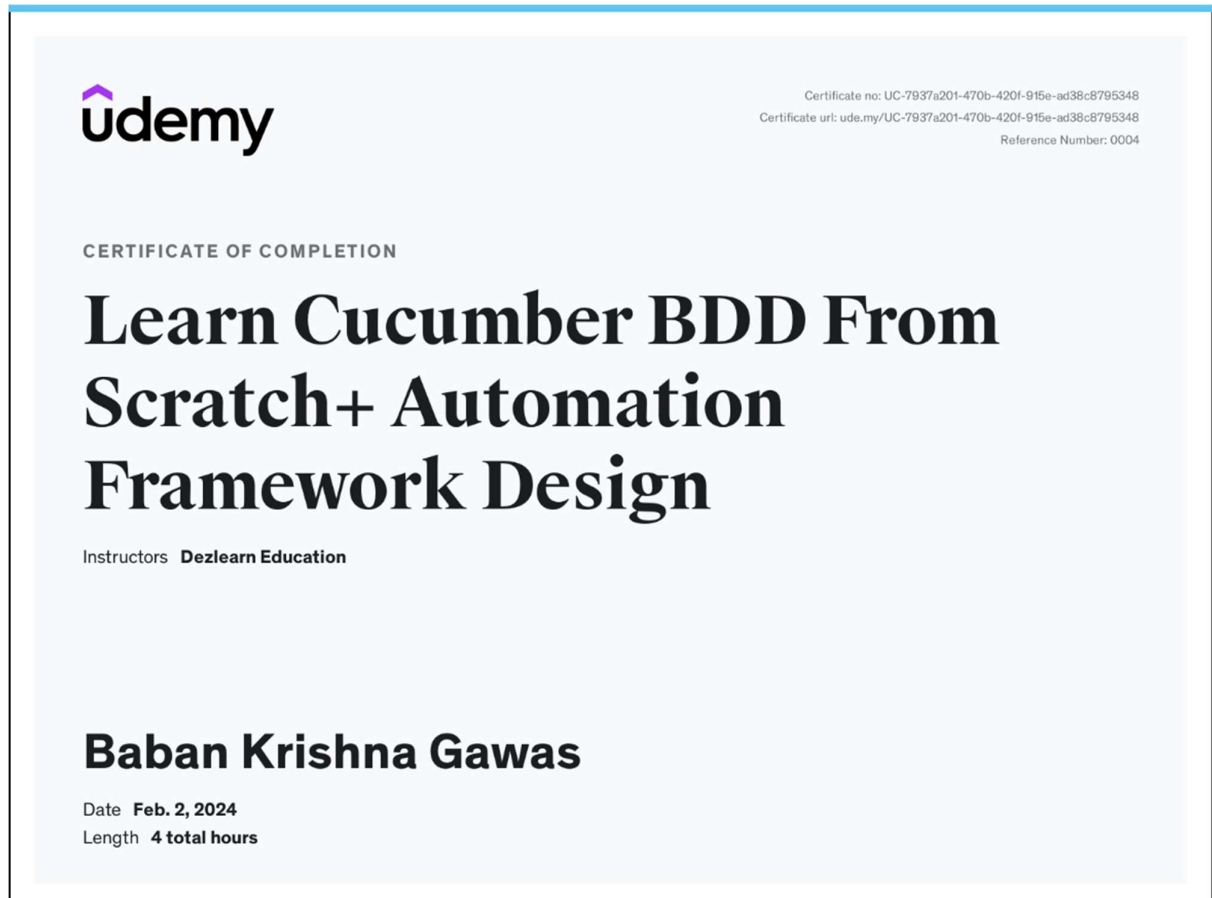
- Author:** Baban Krishna Gawas @bkgawas
- Time:** 4 days ago
- Commit Message:** Pushed to branch `PROD_7_2.13.02` at `OS Product 7 / src`
- Commit ID:** `6a77ec13 · OSPRODUCT-49300 OSPRODUCT-49323`

A sidebar on the left contains a "SUBSCRIBE" button.

Extent Report;



Cucumber Certification:



## Appendix II: PHOTOS AT WORK

