open destinations

INTERNSHIP REPORT

TITLE OF THE PROJECT:
Travel Studio

travel studio

Full Name Of The Student: Rohit Rama Gaonkar
Roll No: 2019

Open Destinations

Goa University

Travel Studio

Completed by:
Rohit Rama Gaonkar
RollNo: 2019

for the partial fulfillment of
MCA Degree for Semester IV
Discipline of Computer Science and
Technology, Goa Business School,
Goa University

At
Open Destinations
6th & 7th Floor, Kamat Grand,
Behind Caculo Mall, St Inez,
Panjim Goa. India. 403001

Under the guidance of
Swapnil Kamat
(Development Manager, Open Destinations)
&
Pritoria Dmello
(HR, Open Destinations)
&
Nagesh Patil
(Bootcamp/Product Technical Trainer, Open
Destinations)
&
Alfredo Fernandes
(Product Trainer, Open Destinations)
&
Rupesh Korgaukar
(Team Lead and Mentor (OJT), Open
Destinations)
&
Sagar Bhate
(Program Manager, Open Destinations)
&
Veena Thakur
(Team Leader, Open Destinations)

Date: 12-Jun-23

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Rohit Rama Gaonkar**, a student of the Master of Computer Applications (MCA) course at Goa University, Goa, has completed his final semester project at our company **Open Destinations** from **01-Feb-23** to **12-Jun-23**.
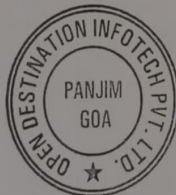
Rohit has successfully completed the internship and has met the expectations of his Team Leader and guide.

This certificate is being issued as requested and is to be submitted as the internship project report at Goa University.
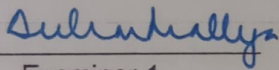
For Open Destinations.

Rupal Karande
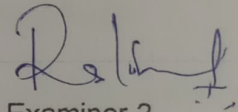VP, Projects

GOA UNIVERSITY

GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr. Rohit Rama Gaonkar has successfully completed his internship at Open Destinations Pvt. Ltd, 6th & 7th Floor, Kamat Grand, Behind Caculo Mall, St Inez, Panjim Goa. India. 403001, in partial fulfillment of the award of the degree in Master of Computer Application.
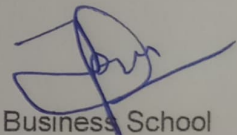
_____
Examiner 1

Examiner 2

Place: Goa University

Date: 15/06/2023

Dean, Goa Business School

4

ACKNOWLEDGEMENT

The internship opportunity in Open Destination was a great chance for learning and improving my coding skills. It has provided me a chance to meet so many professional people who have helped me through this internship period. I am glad to get this opportunity to express my deepest gratitude and special thanks to everyone who has guided me in this internship period.

First and foremost I would like to thank my teachers of the Computer Science and Technology Department, Goa University. I thank Mr. Hanumant Harichandra Redkar Sir (MCA Goa University) and all the faculty members of Goa University for the guidance, support, help and encouragement during placements.

I would also like to thank Mr. Swapnil Kamat (Development Manager, Open Destinations) and Mrs. Pritoria Dmello (HR, Open Destinations) for giving me the opportunity to showcase my skills and passion towards my work in the company. Special thanks to my trainers Nagesh Patil (Product Technical Trainer, Open Destinations), Alfredo Fernandes (Product Trainer, Open Destinations), Rupesh Korgaukar (Team Lead and Mentor (OJT), Open Destinations) who had patiently taught the concepts and given good guidance on how to work with the given task. Also thanks to my Team Program Manager Mr. Sagar Bhate and Team Leader Ms. Veena Thakur, Open Destinations for giving me the opportunity to work in their Rail Development Team.

I even like to thank my team members for their guidance and help which were extremely valuable.

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Completed by:
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&
Sagar Bhate
(Team Project Manager, Open Destinations)
&
Veena Thakur
(Team Leader, Open Destinations)

Date: 10-05-2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Rohit Rama gaonkar, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing/has completed her final semester project (Semester VI) at our organization/company, *Open Destinations* from 01-02-2023 to 05-06-2023.

During her tenure she has met the expectations of her team lead/mentor/guide and found to be regular and sincere.

This certificate is being issued on her request to be submitted with the project report at Goa University.

The final internship completion certificate will be provided on completing his/her internship.

For Open Destinations

<<Signing Authority>>
<<Open Destinations and Seal>>

GOA UNIVERSITY

GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr. Rohit Rama Gaonkar has successfully completed her internship at Open Destinations Pvt. Ltd, 6th & 7th Floor, Kamat Grand, Behind Caculo Mall, St Inez,Panjim Goa. India. 403001, in partial fulfillment of the award of the degree in Master of Computer Application.

_____
Examiner 1

Examiner 2

Place: Goa University

Date: 15/06/2023

Dean, Goa Business School

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INTRODUCTION

INTRODUCTION

This report describes the tasks carried out during a four-month full-time employment period by Mr. Rohit Rama Gaonkar, which commenced on 1st February 2023 at Open Destinations Infotech Pvt Ltd, Panaji. The full-time position was undertaken in accordance with the curriculum of the VI semester Industrial Training of the MCA program at Goa University, Goa.

In the subsequent chapters, I will provide detailed insights into Open Destinations Infotech Pvt Ltd, including its background, mission, and core areas of expertise. Additionally, I will delve into the projects and tasks I was assigned during my full-time employment.

I will provide comprehensive descriptions of the projects, outlining their objectives, scope, and significance within the organization. In addition to project-specific details, I will also elaborate on the technologies and tools that were studied and utilized during my full-time job. This will encompass a range of software development technologies, programming languages, frameworks, and databases that were integral to the successful implementation of the projects. I will provide an overview of the skills and knowledge gained in each area and how they were applied to the tasks at hand.

Finally, I will conclude the report by reflecting on my overall experience with the company during the full-time employment period. This will include discussing the learning opportunities, professional growth, and personal development experienced throughout the tenure. I will also highlight any notable achievements, challenges overcome, and lessons learned during my time at Open Destinations Infotech Pvt Ltd.

COMPANY PROFILE

Open Destinations is an established travel technology player with more than 25 years real-world experience and 500+ travel tech experts, solving the biggest technological issues that tour and rail operators face. It was founded in 1999 by Kevin O'Sullivan, the founder and the CEO of the company. Over 10,000 travel professionals log into use our technology every single day. They choose us because our technology is richer, more complete and more customer centric than any other in the marketplace.

Working at Open Destinations

Open Destinations is constantly looking to recruit talented, motivated people who can add value to the business. They are a rapidly expanding company and are always looking for new people with demonstrated travel and technology experience. They have the diverse international teams spread between Goa and London enjoying an active social calendar, opportunities for global travel, offsite meetings in inspiring locations, central office locations with great transport links, and much more.

Products:

Travel Studio A powerful, easy to use browser based end-to-end reservations management platform with rich functionality, all connected smoothly to our huge supplier network. As easy as 'click & drag'!

Travel Builder A reservations management solution for growing Tour and Destination Management Companies with simple systems that can handle complex bookings in real time, allowing you to focus on growing your business.

Rail Studio A fully developed Rail Management, Product Packaging, and Reservations System designed to help luxury, heritage, regional, and sleeper trains sell rail experiences through all distribution channels.

Tineri A white-label mobile itinerary app, Tineri is an ultra user-friendly solution that makes it easy to communicate with your customers before, during and after their trip. Even better, it's built to easily incorporate your company's brand identity.

The projects I have worked on are:

Travel Studio from Open Destinations is an industry-leading end-to-end Reservation Management system, it is a website that enables Tour Operators to look forward to a future of long-term financial growth and business sustainability. It deals with booking of packages and services like hotels, travels and other entertainment for your successful tour.

It has a range of features like:

- Simple user interface
- Time-Saving features
- 24/7 user support
- Dedicated training programs
- Access any upgrades as part of Travel Studio's user community
- Unrivaled supplier connections
- Lightning fast searches
- Full workflow support and automation
- A highly flexible system tailored to your needs
- Packages, FIT and Group functionality

MY DESIGNATION IN COMPANY AND IMPORTANT ROLES PERFORMED AS AN INTERN

In Open Destinations I am working as a Junior Software Developer. I am responsible for working on their product Travel Studio and Rail Studio that is debugging the issues occurring in the product faced by the clients using the product. I am part of the Cx Development team which handles issues logged in by Destination Asia and Road Scholar so that our clients happily enjoy working with our product and they don't face any difficulties.

During my internship, I acquired proficiency in several essential concepts such as ASP.NET, MVC, C# fundamentals, SQL, stored procedure creation, Node.js basics, JavaScript, and debugging techniques for both code and stored procedures. These newfound skills proved invaluable in effectively addressing the assigned tasks and resolving various issues.

Furthermore, I received thorough training on the utilization of the Jira website, which played a crucial role in our workflow. Jira served as a centralized platform where tasks and targets were displayed, and each developer was assigned specific issues to be resolved. It was essential to log the time spent on Jira once an issue was assigned, enabling us to track the progress and accurately gauge the effort invested in completing each task.

The work environment presented numerous challenges, but it provided an ideal opportunity for me to apply the concepts I had learned. This practical application significantly bolstered my understanding of the subject matter and boosted my self-confidence. Overall, the internship proved to be an exceptionally valuable experience that enriched my skill set and contributed to my personal and professional growth.

ROLES PERFORMED AS AN INTERN

Issue Fixing:

Issues can occur when new functionality or some changes are done to existing product code. The issue can occur either due to changes to existing code or changes to stored procedure or sometimes new functionality can also hamper the existing functionality.

Once the ticket is assigned to me, I had to take the proper repository links required to work on the issue and I have to send a mail to ask for Access Rights for the Repositories from authorized person. Upon getting the proper repository of TS, TSV2 and API code streams than I have to start with the fixing process. Once I start working on the issue, I have to change the status of the ticket to "In development".

Firstly, I have to replicate the issue on my local system. Then I have to analyze and find the cause of the bug by going through the code and debugging it. Once a fix is verified I have to make sure my fix does not lead to more errors somewhere else in the product.

Open Destinations Infotech Pvt. Ltd follows some strict coding standards which are necessary for the code maintenance as many developers work on same products. This avoids inconsistency and promotes code readability.

Implementation Tickets: Once the issue is fixed I had to create a patch which mainly contains dil, compile files and have to provide this patch to Support team. Then the support team member will apply the patch and test it. If the testing is successful then ticket is marked as passed testing otherwise testing failed.

UAT Tickets:

This tickets are reported by client during User Acceptance Testing (UAT). The support team first verifies if the issue is indeed occurring on client server, if so then the support team changes the status to Marked for Development. Client also provides the issue details and attaches the related documents.

I had to create a patch which contains the merged files such as .dll's, compile files and modified files. This patch needs to be applied on UAT server for client to test it from his end, once client says its resolved, he closes the ticket or else converts the status to testing failed and assigns it back to support team.

I learned how to debug a code and stored procedure and how to provide an accurate fix which does not affect other functionality.

JIRA Tickets:

This tickets are logged by QA team which occur when they do QA testing. They provide us with the required information about the tickets raised like which type of Issue defect (regression defect, QA defect or CR defect), specifies the priorities of each ticket rating from 1-5. They also provide ticket description, document and video on how to replicate the issue.

 Merging:

Merging takes place when we have to move the developed code from Developer stream to Production stream.
 Some of the issues that I fixed had to be merged in the trunk

BOOTCAMP AND TRAINING

On 1 February 2023, Before starting with bootcamp we had a short Introduction section by the HR and the trainer about the company, its products, management and the protocols.

Bootcamp

Bootcamp was started on 1 February 2023 by Nagesh Patil (Product Technical Trainer).

The training started with the basic introduction to .NET Framework and their two components and little information about .NET Core. Then he introduced the Client Side Languages that are HTML, CSS and JavaScript. And aso The Server Side Language that is ASP (Active Server Pages). Through the ASP.NET framework I even came across Page Life Cycle and State Management. I was also introduced to web services and API and other tools such as Microsoft Visual Studio and Microsoft SQL Server Management Studio.

The trainer had also covered some basic topics which were already taught to us such as Arrays, OOPs Concepts, Constructors, Access modifiers and much more. I was told to write the code using all the concepts taught by following all the coding guidelines and I was getting evaluated for it.

Then the trainer even introduced the basics of SQL queries and then he taught us about how to create Stored Procedures and he also introduced the concept of ADO.net which was again new to me. Later he started with Three-layer architecture and AJAX. During Bootcamp I was told to submit the daily report on the topics covered which was again used in future to memorize the topics.

As Bootcamp was coming to end I was told to create an Online Stationery Website using all the concepts covered in bootcamp. The website was created using Three-Tier Architecture and other concepts taught to us. This website includes 3 users: Admin, Seller and Customer each can login/logout with the respected account registered. The Admin have the option to check the Supplier Details, Product Details, Customer Details and Order Details. The Seller has the option to check his entered products and their product details, to add a new category for his product if it does not exist, to add new products, and also to view and edit the category. The customer has the option to browse the products which are sold by the seller, can view the details of a single product, can search for the product, can view each category of product, can add to cart, can order the products from cart, can check the order history.

The Bootcamp ended on 21 February 2023 with the MCQ test and followed by giving the demo along with the explanation of the website created to our manager.

Training

Product Training

The Product training was started on 22 February 2023 by Alfredo Fernandes (Product Trainer).

ODL is a product based company, that is we were not needed to create any additional product in the company we were assigned and have to work on the same product which already exists.
The trainer had given a brief knowledge about the product of ODL and how it works. The main product I had to work on was Travel Studio. He also guided us in installing and setting up the whole product in our system.

The Travel Studio product is based on the travel domain which includes different entities such as Passengers, Agents, Services and Suppliers. And all these entities are part of Travel Studio and all play a very important role in this product. I was given a daily task and on each and everyday I was told to submit the report on what I have understood and the task performed.

The Product training ended on 7 March 2023 with the MCQ test based on the topics covered in the product training.

After the product training ended we had a break from 8 March 2023 to 14 March 2023. In this period we were told to revise and brush up on all the topics covered from the beginning of bootcamp and Product Training. Here also I was told to submit a daily report on the topics learned and covered on each day to the manager.

Product Technical Training

The Product Technical Training was started on 15 March 2023 by Nagesh Patil.

This training was based on the technical knowledge of the functionality of the product. The knowledge of main code and the SQL queries and Stored Procedures included in the product Travel Studio. We were introduced to the development process and different development guidelines along with the SVN (SubVersion) Software and their structure, it is the software that helps software developers to work together and maintain a complete history of their work. It is used for fast-changing projects, it is a Version Control System to track changes made to the project. Our product has two repositories one for API and another for Website (TSV2), if we are changing the code or the functionality of any these repositories then we have to take permission from the special team that is SVN Rights Team by sending mail requesting for committing the changes is following repositories in a structured format provided.

The training was followed by learning some new concepts like Language Integrated Query (LINQ), jQuery, MVC, AngularJS and NodeJS. The trainer had also explained and taught the basic steps of debugging the code.
The Product Technical Training came to an end on 5 April 2023 after the MCQ Test.

On The Job Training (OJT)

On the Job Training (OJT) was started on 6 April 2023 by Rupesh Korgaukar.

This training was arranged to give work experience, the type of work we will do in the development team and also helps to build confidence in doing tasks.

This training started by introducing how to debug the Stored procedure for a particular functionality in the project. Then the trainer explained about the jira website where the issues are displayed to be solved, it included the ticket number, the issue title, the type of defect, the status of issue (open/in-progress/close), the priority of the issue, Resolution (solved/unsolved), Affected version, fixed version, assignee (the person to whom the issue is assign), Reporter (The one who reports the issue), Technical manager (The manager of assignee), and much more. Then the trainer continued his training by explaining how to debug API code and Website code in the codeflow. The trainer also explained how to upsize the database version. He also had assigned me the daily task to get proper practice.

The On the Job Training (OJT) came to the end on 11 May 2023 and I was assigned to the Development team.

PROBLEM STATEMENT

As part of the Bootcamp section, I was tasked with creating an E-Commerce website that incorporated various concepts covered in the program, including ASP.NET, MVC, SQL Queries, C#, JavaScript, CSS, HTML, and more. The website I developed during this period is called "ONLINE MOBILE STORE," and it encompasses a range of functionalities.

The website caters to three types of users: Admin, Seller, and Customer. The Admin user has access to features such as checking Supplier Details, Product Details, Customer Details, and Order Details. The Seller user, on the other hand, can view their listed products along with their details, add new product categories if necessary, add new products, and manage categories by viewing and editing them. Lastly, the Customer user can browse products sold by sellers, view individual product details, search for products, explore different product categories, add items to their cart, place orders from the cart, give reviews and rating to products and review their order history.

This E-Commerce website encompasses all the fundamental and crucial features one would expect, including user registration and login (with options for admin, seller, and customer), search functionality, product browsing, seller product management, category creation, cart functionality, order history tracking, and much more.

Overall, the development of this E-Commerce website allowed me to apply the concepts learned in the boot camp effectively. It incorporates essential features and functionality required for a fully operational online store, providing a comprehensive user experience.

TOOLS AND TECHNOLOGIES USED

Tools:

1. **Microsoft Visual Studio 2013**

Visual Studio 2013 introduces a connected IDE experience. Visual Studio 2013 provides the ideal toolset for building modern applications that leverage the next wave in Windows platform innovation (Windows 8.1), while supporting devices and services across all Microsoft platforms. Creating websites or services on the Microsoft platform provides you with many options, including ASP.NET WebForms, ASP.NET MVC, WCF or Web API services, etc. In the past, working with each of these approaches in Visual Studio meant working with separate project types and tooling isolated to that specific project's capabilities. The One ASP.NET vision unifies your web project experience in Visual Studio 2013 so that you can create ASP.NET web applications using your preference of ASP.NET component frameworks in a single project. This new unified experience includes the ability to easily create hybrid applications that include improved versions of ASP.NET WebForms, MVC or Web API, all in a single project. Now you can mix and match the right tools for the job within your web projects, giving you increased flexibility and productivity when developing for the web.

2. **Microsoft SQL Server Management Studio 18**

SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure. Use SSMS to access, configure, manage, administer, and develop all components of SQL Server. SSMS provides a single comprehensive utility that combines a broad group of graphical tools with many rich script editors to provide access to SQL Server for developers and database administrators of all skill levels.

2. 1. Microsoft SQL Server Profiler

SQL Server Profiler is an interface to create and manage traces and analyze and replay trace results. Events are saved in a trace file that can later be analyzed or used to replay a specific series of steps when diagnosing a problem. Microsoft SQL Server Profiler is a graphical user interface to SQL Trace for monitoring an instance of the Database Engine or Analysis Services. You can capture and save data about each event to a file or table to analyze later.

3. **NodeJs**

In 2009, NodeJs was developed by Ryan Dahla and the current version of NodeJs is v16.9.0. Node.js is an open-source, cross-platform JavaScript runtime environment and library for running web applications outside the client's browser. NodeJs is built on Google Chrome's V8 engine. The features of NodeJs:

- Asynchronous in Nature and Event driven: The servers made with the NodeJs never waits for the from an API. Without waiting for the data from the API, it directly moves to the next API. So all the APIs of NodeJS are totally non-blocking in nature.

-        Single Threaded Architecture: A single threaded architecture is followed by NodeJs and for this architecture makes NodeJs more scalable.

-        Compatibility on the cross platforms: Different types of systems like Windows, UNIX, LINUX, MacOS and other mobile devices can use NodeJs.

-        Uses JavaScript: it is a very important aspect of NodeJs that this framework uses JavaScript.

-        Fast Data Streaming: NodeJs takes a very short amount of time for data processing and it does it at a very fast rate.

-   No Buffering: The data is never buffered in NodeJs application.

4. SoapUI 5.7.0

SoapUI is an open-source web service testing application for Simple Object Access Protocol (SOAP) and representational state transfers (REST). Its functionality covers web service inspection, invoking, development, simulation and mocking, functional testing, load and compliance testing.

5. Tortoise SVN

TortoiseSVN is a really easy to use Revision control / version control / source control software for Windows. It is based on Apache Subversion (SVN), TortoiseSVN provides a nice and easy user interface for Subversion. It is developed under the General Public License (GPL). Which means it is completely free for anyone to use, including in a commercial environment, without any restriction.

6. Internet Information Services IIS Manager

Internet Information Services, also known as IIS, is a Microsoft web server that runs on Windows operating system and is used to exchange static and dynamic web content with internet users. IIS can be used to host, deploy, and manage web applications using technologies such as ASP.NET and PHP. IIS uses various protocols for communication and data exchange with remote clients or computers, such as HTTP, SMTP, and FTP. As a core Windows product, IIS comes integrated with Windows Server and runs on Windows OS.

7. Jira

Jira Software launched in 2002 as an issue tracking and project management tool for teams. Since then, 65,000+ companies globally have adopted Jira for its flexibility to support any type of project and extensibility to work with thousands of apps and integrations. Jira Software helps teams across financial services, retail, software, high tech, automotive, non-profit, government, life sciences, and many more verticals stay organized and efficient.

Technologies:

1. **HTML**

HTML stands for HyperText Markup Language. It is a standard markup language for web page creation. It allows the creation and structure of sections, paragraphs, and links using HTML elements (the building blocks of a web page) such as tags and attributes. HTML is not considered a programming language as it can't create dynamic functionality.

2. **CSS**

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable. CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs,variations in display for different devices and screen sizes as well as a variety of other effects. CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

3. **JavaScript**

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

4. ASP.NET

ASP.NET is a web development platform, which provides a programming model, a comprehensive software infrastructure and various services required to build robust web applications for PC, as well as mobile devices. ASP.NET works on top of the HTTP protocol, and uses the HTTP commands and policies to set a browser-to-server bilateral communication and cooperation. ASP.NET is a part of Microsoft .Net platform. ASP.NET applications are compiled codes, written using the extensible and reusable components or objects present in .Net framework. These codes can use the entire hierarchy of classes in the .Net framework. ASP.NET is used to produce interactive, data-driven web applications over the internet. It consists of a large number of controls such as text boxes, buttons, and labels for assembling, configuring, and manipulating code to create HTML pages.

5. C#

C# is a modern, general-purpose, object-oriented programming language developed by Microsoft and approved by European Computer Manufacturers Association (ECMA) and International Standards Organization (ISO). C# is designed for Common Language Infrastructure (CLI), which consists of the executable code and runtime environment that allows use of various high-level languages on different computer platforms and architectures. The following reasons make C# a widely used professional language: It is a modern, general-purpose programming language, It is object oriented, It is component oriented, It is easy to learn, It is a structured language, It produces efficient programs, It can be compiled on a variety of computer platforms, It is a part of .Net Framework..

6. AJAX

AJAX stands for Asynchronous JavaScript and XML. AJAX is a new technique for creating better, faster, and more interactive web applications with the help of XML, HTML, CSS, and Java Script. Ajax uses XHTML for content, CSS for presentation, along with Document Object Model and JavaScript for dynamic content display. With AJAX, when you hit submit, JavaScript will make a request to the server, interpret the results, and update the current screen. In the purest sense, the user would never know that anything was even transmitted to the server. AJAX is a web browser technology independent of web server software. A user can continue to use the application while the client program requests information from the server in the background. Intuitive and natural user interaction. Clicking is not required, mouse movement is a sufficient event trigger.

7. Angular JS

AngularJS is a JavaScript-based open-source front-end web application framework. It was developed by Google and released in 2010. AngularJS is often referred to as "Angular 1" to distinguish it from Angular, which is a complete rewrite of the framework and is commonly known as "Angular 2+".

AngularJS follows the Model-View-Controller (MVC) architectural pattern, which helps in organizing and structuring web applications. It allows developers to build dynamic, single-page applications by extending the HTML syntax and providing powerful data binding,

8. jQuery

jQuery is a fast and concise JavaScript Library created by John Resig in 2006 with a nice motto: Write less, do more. jQuery simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development. jQuery simplifies various tasks of a programmer by writing less code. Features supported by jQuery are:

- DOM manipulation − The jQuery made it easy to select DOM elements, negotiate them and modify their content by using a cross-browser open source selector engine called Sizzle.
- Event handling − The jQuery offers an elegant way to capture a wide variety of events, such as a user clicking on a link, without the need to clutter the HTML code itself with event handlers.
- AJAX Support − The jQuery helps you a lot to develop a responsive and feature rich site using AJAX technology.
- Animations − The jQuery comes with plenty of built-in animation effects which you can use in your websites.
- Lightweight − The jQuery is a very lightweight library
- Cross Browser Support − The jQuery has cross-browser support, and works well in IE 6.0+, FF 2.0+, Safari 3.0+, Chrome and Opera 9.0+

INTERNSHIP TIMELINE

1. February 2023
 - 1st Jan 2023
 - Formal Orientation Process

 - 2nd Jan to 28th Jan
 - Started with Bootcamp

2. March 2023
 - 1st March to 2nd March
 - Mini project demo and viva

 - 6th March to 14 th Feb
 - Introduction to Travel studio
 - Setting up of Travel studio V1 and V2 along with API
 - Types of Architecture
 - Service maintenance module
 - Agent maintenance module
 - Bookings Module
 - Service Module
 - Packages Module
 - Demos on the above modules and assignments
                    -Online test

 - 15th March to 20st March
                    -asked to learn about jquery,angular and auto complete ui using jquery

 - 27th March to 31st March
 - Onjob training begins
 - introduction to jira, svn and concepts as committing and merging repositories

3. April 2023
                    - 3rd April to 28th April
                    - Product technical training begins
                    - MVC in angular
                    - components in angular
                    - intorduction to jquery
                    - autocomplete using jquery

4. May 2023

- 2nd May to 31st May
- Assigned to CX teams
- assigned tickets to work on
- had to merge changes to repositories
- had to debug Stored Procedures

MY EXPERIENCE OF INTERNSHIP

During my four-month journey as a Junior Developer, I experienced significant achievements and personal growth:

Strengthened C# Proficiency: Through hands-on experience and dedicated learning, I deepened my understanding of C# programming. This allowed me to write cleaner and more efficient code while adhering to industry best practices and standards.

Successful Project Contributions: I made meaningful contributions to various software projects, delivering quality code and meeting project deadlines. By actively participating in problem-solving and decision-making, I gained confidence in tackling complex challenges.

Refined Debugging Skills: Over time, I honed my debugging skills and became proficient in identifying and resolving software issues. This not only improved the quality of my code but also reduced debugging time, resulting in more efficient project delivery.

Effective Teamwork and Communication: Interacting with team members helped me develop strong interpersonal skills and effective communication techniques. I learned how to collaborate effectively, share knowledge, and work harmoniously towards a common goal, fostering a positive team dynamic.

Conclusion:
My experience as a Junior Developer for four months provided me with a solid foundation in C# programming and exposed me to the challenges and rewards of working in a professional software development environment. I am grateful for the opportunities for growth, learning, and personal development that this experience offered me. I look forward to continuing my journey as a developer, building upon this foundation, and making meaningful contributions to the field

REFERENCES

1. http://opendestinations.com

2. https://msdn.microsoft.com

3. https://docs.microsoft.com

4. http://w3schools.com

5. http://jqueryui.com

6. http://jquery.com

7. https://www.tutorialspoint.com

8. https://forums.asp.net

9. https://angularjs.org