Dhanraj Pai Raiturkar
Internship Report
Jan 2022-Jun 2022

Internship Report at Zapcom Solutions

Submitted by :

Dhanraj Pai Raiturkar

[1940]

Under the guidance of
Mr. Amit Gehlot
(Senior Software Engineer, ZapCom Bangalore)

zapcom.

INTERNSHIP LETTER

This is to certify that **Mr.Dhanraj Raiturkar**, student of MCA, 6th Semester from Goa University is working as an Intern with our Organization at Bangalore location since 10-Jan-2022, his six months internship period will get over on 31-June-2022.

During the period of his Internship program with us, he is found punctual, hardworking and inquisitive.

We wish him a successful career ahead.

Yours Sincerely,

For **ZapCom Solutions Pvt Ltd.**

SRINIVAS KOTHAKOTA COO

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ZapCom Solutions Pvt Ltd
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Whitefield, Bangalore - 5 60066
Ph: +91 80-67232 300

www.zapcg.com
CIN: U72200 KA2 014PTC 075530

USA
ZapCom Group, Inc.
70 33 Village Parkway, Ste.2 11
Dublin, CA 94 568
Ph: +1 9 25-350-70 03

GOA UNIVERSITY

GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr. Dhanraj Pai Raiturkar has been evaluated for the project work titled
"Report of Internship done at Zapcom Solutions Pvt Ltd" undertaken at ZapCom Solutions Private Limited, Bangalore in partial fulfillment for the award of the degree in Master of Computer Application.

_____   _____
Examiner 1   Examiner 2

Place: Goa University   _____

Date: 11th June 2022   Dean, Goa Business School

Acknowledgment

I would like to take this opportunity to acknowledge and to extend my sincere gratitude to everyone who have guided and assisted me throughout the course of this Internship Period.

First and foremost, I would like to thank the CEO of ZapCom Solutions, Mr. Kishore Pallamreddy, COO of ZapCom Solutions, Mr. SRINIVAS KOTHAKOTA and the VP of ZapCom Solutions, Mr. Deepak Puranam for giving me this opportunity to work with such an incredible and hardworking team at ZapCom.

I thank Mr. M. S. Dayanand (Dean, Goa Business School, Goa University), Mr. Ramdas Karmali (Prof. and TPO, MCA, Goa Business School, Goa University), Ms. Yma Pinto (Program Director, MCA, Goa Business School, Goa University), Mr. Jarret Stevan Anthony Fernandes (Assistant Prof, MCA, Goa Business School, Goa University) and all the faculty of MCA, Goa University for their constant encouragement and support during the project work.

Thank You

Dhanraj Pai Raiturkar

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Introduction

This internship report describes the projects carried out during a 6 month, full-time internship period pursued by Mr Dhanraj Pai Raiturkar at ZapCom Solutions Private Limited in accordance with the curriculum of the VI Semester Industrial training of Department of Computer Science and Technology, Goa University - Goa.

The first part of the report offers an overview of the organization, followed by highlights of various relevant projects carried out and their respective analysis performed during the month of January till May 2022.

During this internship period I have worked with various technologies ranging from JAVASCRIPT, TYPESCRIPT, REACTJS, NODEJS etc and learnt many industry best practices.

Finally, the report wraps up with the project timeline and a brief note on the list of things that I learnt and the experiences that I had at the company.

DISCLAIMER

THE INFORMATION CONTAINED IN THIS REPORT IS THE WORK DONE BY THE AUTHOR AS PART OF THE INDUSTRIAL TRAINING PROGRAMME OF MCA, GOA UNIVERSITY. THE DATA AND SCREENSHOTS ADDED IN THIS REPORT ARE SOLELY FOR REFERENCE PURPOSE ONLY. IT DOES NOT IN ANY WAY REPRESENT THE ACTUAL DATA USED FOR THE PROJECTS. CLASS DIAGRAM, ER- DIAGRAM AND WORK FLOW DETAILS ARE NOT GIVEN IN THE REPORT AS IT IS AGAINST THE COMPANY'S PRIVACY POLICY.

Company Profile

ZapCom is a product based company. It is an ISO 9001 and 27001 certified company with a strong leadership with over 120 years of cumulative Travel and Hospitality domain expertise. It supports Start-Up ideas in various aspects like Travel, Hospitality and Retail industry.

ZapCom excels in improving system performance, enhancing delivery efficiency and reducing costs. It provides end-to-end solutions in Application Development and it also helps in developing Advanced IT Technologies and Solutions.

ZapCom has strong Management team with experience in Product Engineering and E2E Consulting and the ZapCom's core team has deep domain knowledge and expertise in e-commerce and Travel and Hospitality. The company helps its customers to build complex software solutions on cloud or migrate the legacy.

- **Vision**: To raise innovative ideas with good amalgamation of technology and go-to-market strategy.

- **Mission**: To build a team of talented resources with the right technical insight to serve customers with top-notch products and services in travel, hospitality and retail industry.
- **Philosophy**: To collaborate with its partners in a long term journey to enrich customer experience on a daily basis.

ZapCom has successfully delivered many projects in Agile and Scrum methodology. The company has helped its customers to adopt and further improve their delivery efficiency through automation of DevOps and Testing.

ZapCom helps its customers to achieve performance targets. ZapCom's Architecture Realization, Solution Engineering, Database Re-engineering and Performance Engineering services spearheaded by seasoned technologists help
to achieve any organization's IT objectives.

Project - Saltie

Saltie was created for the discerning cruise goer to book the perfect cruise with ease. You can share cruises, itineraries, destinations, and price comparisons with your family and friends.

Tools and Technologies used

AngularJS

Javascript

Jquery

HTML

CSS

Ionic Framework

AWS

Git

Neo4j

My Contribution

Infrastructure setup

Setup UI Code

Setup Back-end

DB and server configurations

UI and Backend Changes

Remove Banner

Replace "Saltie" with "Curator"

Replace the word "Caribbean" with "Experience"

Replace the word "Cruising" with "Shopping"

Replace "Saltie" with "Curator" Banner on all pages

Updates to Favourite Categories Page and required backend changes

Updates to Question Changes

Updates to Cruise Recommendations page

Selected Trip Page Changes

Other misc Changes

Final Release

Detailed Contribution

Implement Saltie Curator to include tour and resort packages along with Cruise packages.
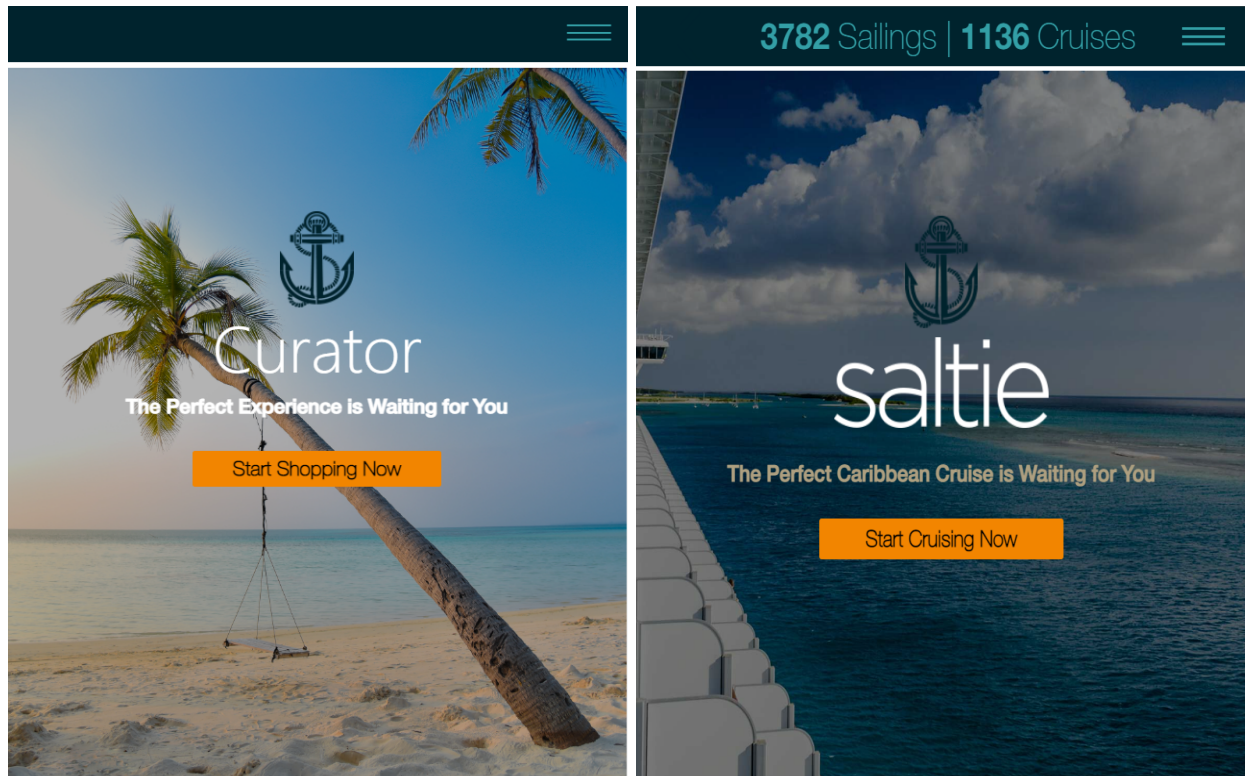
Create Responsive Destination Detail Pages for Curator.

Each Page Consist of Tour details with introduction and itinerary details along an option to view types of rooms available with Room Details and a carousel to display the fun activities included in the package.

Project- Viva Voyage

VivaVoyage is a cruise booking website which allows customers to book the best Cruise Vacations for the best prices.

Tools and technologies used:

HTML

CSS

Javascript

NodeJS

Wordpress

PHP

SQL

Jira

Git

My Contribution

Change payment Gateway from Optomony to Pay360.

Detailed Contribution

Infrastructure setup

  Setup UI Code

  Setup Back-end

  DB and server configurations

Research Pay360 UI Integration.

Integrate Pay360 payment gateway to vivavoyage

Modify Transactions Table Schema to be compatible with Pay360 without affecting existing data.

Prepopulate User Payment Details on payment page.

Implement proper error handling and refactor the existing UI code for payments.

Change the current payment flow for security purposes.

Create an endpoint in user microservices to read the shortcode sent by odysseus (3rd party booking engine) and fetch data from the database which is mapped to that shortcode.

Modify OdysseusTransaction Table to include shortcode and booking data.

VIVAVOYAGE

About   Customer Service   Join Free/Login

Booking Id *

Email Id *

Amount *   Currency Type *

GBP

Continue

Please Enter Address Details

First Name *   Last Name *

Phone Number *   City

Address Line 1 *   Address Line 2 *

Postal Code *   Region *

Account Country*   Date of Birth *

mm/dd/yyyy

Surname *   Account No *

Continue Payment   Cancel

Amount

£25.00 GBP

Card details

Card number *

Start date (MM/YY)

Expiry date (MM/YY) *

Issue number

Optional

Name on card *

Security code *

Card nickname

Optional

Billing address

Card nickname

Optional

Billing address

Address

✔ line1 123 test

✔ line2 123 test

Optional

City

✔ bangalore

Region

✔ asia

Postcode

✔ 560066

Country

India

Pay Now

< Back

Amount

£25.00 GBP

Choose a card

Preferred / Default card

○ Card   VISA   Ending in: 1111

Other cards

Use a new card   Manage your cards

Security code

Pay Now

< Back

Project- Neighborly

Neighborly is the world's largest parent company of 29 home service brands and 5,000 franchises in nine countries.

The company was founded in 1981 as Dwyer Group and has 29 home service brands, 26 of which are service brands and 24 of which are franchise brands. Collectively, these concepts offer customers a broad base of residential and commercial services. Neighborly now has more than 5,000 franchises and 12 corporate support centers throughout North America, U.K. and Germany.

Team: Quarterbacks

My Contribution

Websites worked on:

RPM (Real Property Management)

PTN   (ProTradeNet)

Tools and Technologies used

Javascript

Jquery

Typescript

ReactJS

HTML

CSS

Crownpeak

Azure DevOps

Git

Detailed Contribution

RPM website related user stories:

Implement CreatePDF Functionality to generate a pdf of the properties that are being compared along with the property graphs and tables.

Display a preview modal of the PDF that will be generated.

REAL
PROPERTY
MANAGEMENT
a neighborly company

Request Assessment

‹ Back to 28...

Send as PDF

Add Property

Purcha...

Initial
Investr...

Total F...

28739 RALEIGH PL

28739 RALEIGH PL

Estimated Price: $195,000

Estimated Price: 211859

4 Beds	3 Baths	2,582 sqft

Calculated Return *10 years*	130251
% ROI *10 years*	348
Initial Investment	47245

Overview

	Year 5	Year 10	Year 20	Year 30
TOTAL RETURN	$26,939	$130,251	$450,292	$973,263
Cumulative Cash Flow	$-13,562	$-37,024	$-27,217	$44,887
Cumulative Appreciation Gain	$37,341	$81,264	$193,699	$349,262
Equity Build Up	$140,639	$258,951	$573,119	$1,029,432
Annualized Return	3.3%	3.3%	3.3%	3.3%
Total Investment Value	$396,183	$367,853	$283,863	$445,735

$1000000
$600000
$300000
$-300000

Year 5   Year 10   Year 20   Year 30

● Est. Investment Value ■ Cum. Net Cash Flow ■ Cum. Appreciation
□ Cum. Equity

Show a preview image of the first page of the PDF preview on the preview modal.
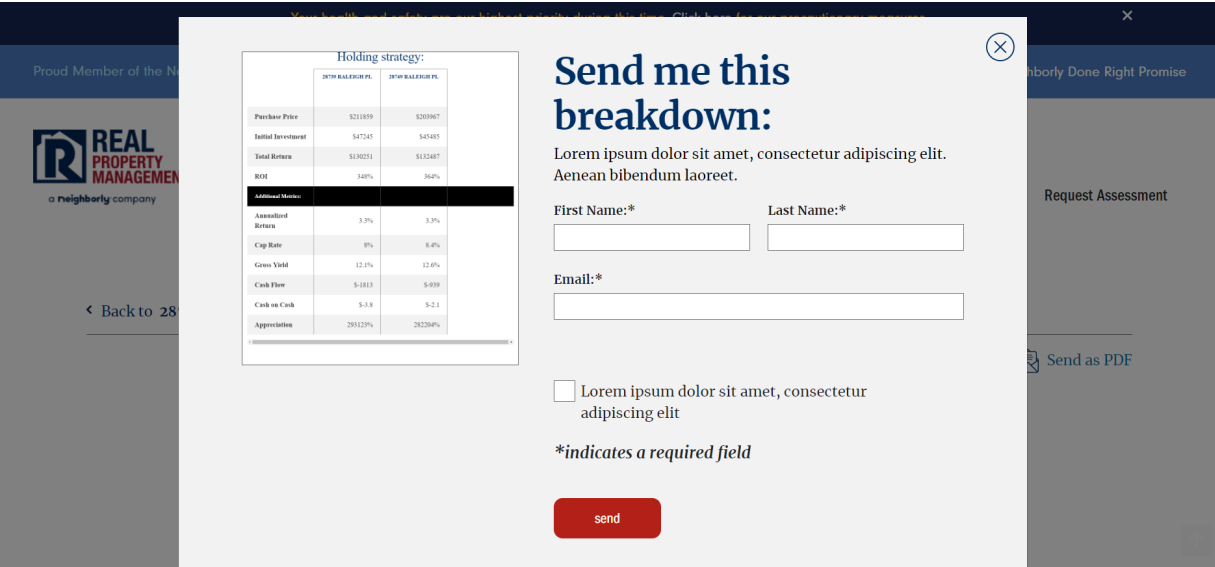
Implement Floating Menu(navigation) for Mobile View in RPM details page.
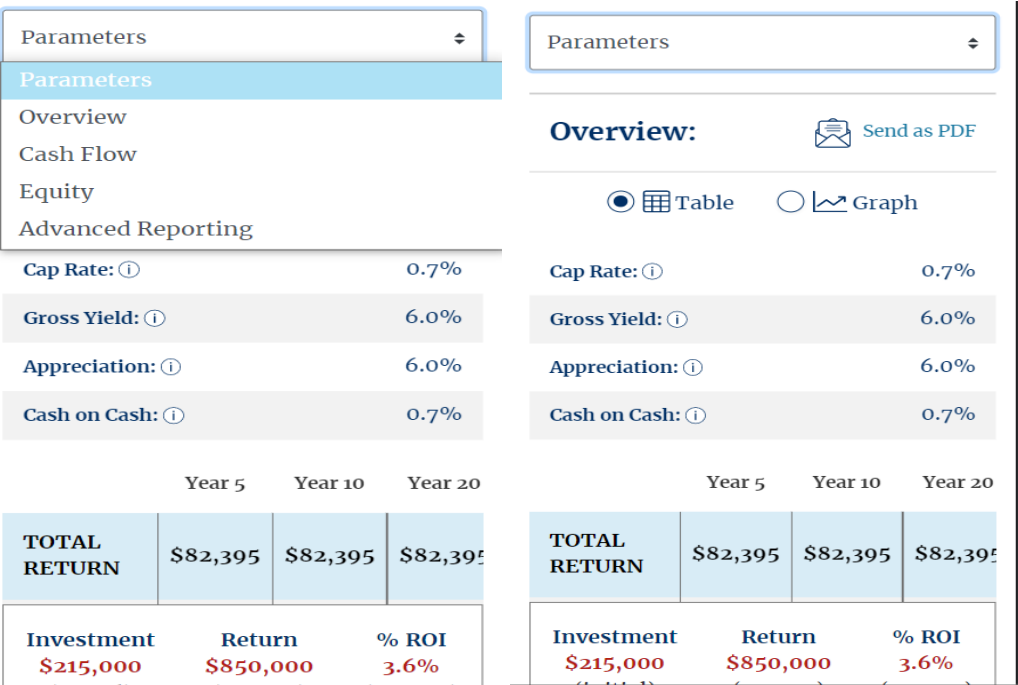
RPM and PTN website related Bug Fixes:

Numbers are not allowed in first,last name of the add user as per wiki

Email id validation not given for metronics admin login

PTN-Email id validations not proper

Ptn.
ProTradeNet

Home   Memberships   Vendor   Vendor Application   Testimonials   Meet Our Team   FAQs   Member Ho

Member FAQ

Email

v@v.co

Website

Years in operation

Services:

Offers Online Ordering:

Alternate phone numbers not having proper validations

Alternate phone number

1234567bfhhfghf

Website

Reference 2:

Business Name

Contact

Phone Number

1234567fdfgdgdg

Reference 3:

Business Name

Contact

Phone Number

12345678901eeee

PTN: Preferred vendors: The selection on left panel in 'preferred vendor' is not navigating to the expected output on right hand panel

PTN: Phone Number taking long values in contact us form

Circle looks like oval. Needs to be round

Neighborly®: A Global Service-Based Franchise Company

e most companies, Neighborly has an official mission statement and vision; wever, unlike other companies, we also have a Code of Values that each ployee is urged to follow and know by heart and with heart. The Code of Values ves as a set of universal guidelines by which we strive to adhere, from the tom of the organization all the way to the top. In fact, any meeting of three or re employees of Neighborly begins with a reciting the Code of Values.

reating others as we would like o be treated.

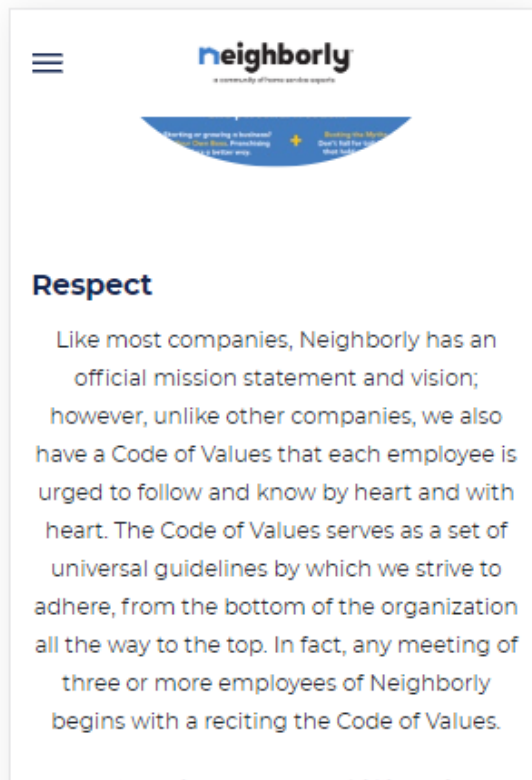istening with the intent to nderstand what is being said and

- Treating others as we would like to be treated.
- Timely Response Guarantee
- Listening with the intent to

Mobile view alignment of bullets and description not proper

Advance reporting name/tab not at all seen in the mobile view

Projection Equity table:

○ ⊞ Table   ⦿ 📈 Graph

$800000
$600000
$400000
$200000
$0

Year 6   Year 10   Year 20   Year 30

◆ Property Value   ■ Loan Balance   ● Equity

In addition to our property management services, your rental property investment benefits from deeper financial analysis and optimization strategies.

We can provide those metrics as a trusted partner in achieving your long term goals.

Get Started

sqft not matching revels.

2522 Horseshoe Bend Rd SW

Marietta, GA 30064
Estimated Price: $195,000

🛏 4 Beds   🛁 3 Baths   📐 2,582 sqft

☰ Add to list   🏠 add items in list to compare

Calculated Return ⓘ   **$85,000**
10 years

POC Project

As my POC project I have developed a light weight social media application using MERN stack.

Tools and Technologies used

MongoDB
ExpressJS framework
ReactJS
NodeJS
JWT
Bcrypt
Redux
Redux Toolkit
Redux Persist
React testing library

Functionality

Register New User
Login User
Login/Register form validations
Update Personal Information
Update Profile Picture
Update Cover Photo
Follow/Unfollow a User
Add Post
Delete Post
View Follower Posts
Like/Unlike a Post

Internship Timeline

January

Week 1:
Onboarding
Week 2 and 3:
Tasks Assigned by Mentor in Javascript
Week 4:
Tasks Assigned by Mentor in ReactJS

February

Week 1:
Saltie Project Setup
Week 2:
Started ReactJS Course
Saltie Project UI changes
Week 3 and 4:
Saltie Project Implementing Curator

March

Week 1 and 2:
Started Working on POC Project
Saltie Project Implementing Details Page
Week 3:
POC Project work
Saltie Project work
ReactJS Course
Week 4:
POC Project Work
ReactJS Course

April

Week 1:
POC Project Work
ReactJS Course
Week 2:
NodeJS Crash Course
ReactJS Course
POC Project Work
Week 3:
POC Project work
Started Work on VivaVoyage Project
MERN Stack Crash course
ReactJS Course
Week 4:
Research on Pay360 Payment Gateway

ReactJS Course

May

Week 1:
Integrated Pay360 Payment Gateway into VivaVoyage
Started Working on Neighborly Project
Week 2:
Implementing PDF Generation for RPM website in
neighborly.
Changed VivaVoyage Payment Flow for Security purposes.
Week3:
Fixed RPM and PTN related Bugs.
Worked on creating new End-Points for vivavoyage
payment flow.
Week4:
Implemented Floating Menu in RPM Website in neighborly.

Courses Completed

React- The Complete Guide (incl Hooks, React Router, Redux)

https://www.udemy.com/share/101Wby3@yqiZe9faaM8NegE495v_z72bKlJNgge3Cjw4SAEEL PHtTPlVOfg_D8LHynC7WE4u/

NodeJS Crash Course

https://youtu.be/fBNz5xF-Kx4

MERN Stack Crash Course

https://youtu.be/-0exw-9YJBo