

FIAN RODRIGUES

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OBJECTIVE

Actively seeking full-time opportunities starting in Summer 2023 in Software Development/ Full-Stack/ Front-End Development

EDUCATION

Northeastern University, Boston, MA

Sept 2021 - May 2023

Master of Science in Information Systems

Related Courses: Web Design and UX Tools, Application Engineering & Development, Object Oriented Design, UX Design and Testing, iOS Development, Data Science with Python

University of Mumbai, Mumbai, India

Aug 2012 - May 2017

Bachelor Of Computer Engineering

SKILLS

Languages: Java, Swift, Python, C#, C++, SQL

Technologies: HTML5, CSS, SCSS, NodeJS, JavaScript, ReactJS, Redux, RESTful API, Spring Boot, Tailwind.css, Bootstrap, Material UI, Linux, Git

Tools: Figma, Balsamiq Wireframes, Moqups, Axure RP, Unity, Unreal Engine 4&5, NetBeans, XCode, and Swift UIKit

Libraries: Numpy, Pandas, Matplotlib, SciPy, Seaborn

Databases: MongoDB, MS SQL, PostgreSQL, DynamoDB, MySQL

AWS: Amplify, DynamoDB, Storage

EXPERIENCE

SHREE SATYAM DOORS, Dombivali, India

Jun 2017 – Jun 2019

Associate Software Developer

- Developed an **ERP application** to streamline sales and delivery processes using **Java 8** and **Eclipse IDE**, **MVC design pattern**, **PostgreSQL**, **GraphQL** and **Java Spring Boot Framework**
- Managed all aspects of the modular and portable ramp programs, including tracking sales, placing orders, and interacting with vendors to ensure timely and accurate delivery of products to customers
- Solved multiple high priority tickets before deadline which contributed to a 20% increase in user satisfaction

ACADEMIC PROJECTS

WHERE IS THE PARTY iOS APPLICATION

- Developed an iOS app to help users locate parties being hosted around the city and their location using **Swift 5** and **XCode 12**
- Designed the UI to ensure seamless UX using **Swift Storyboards**, **Custom UICollectionViews**, **ViewControllers** and **UIKit**
- Integrated **Core Data** and **AWS** services like **Amplify**, **DynamoDB**, and **Storage** to strengthen implement the app's backend functionalities allowing for a more robust and reliable app, with efficient data management and storage capabilities

EVENT CALENDAR APPLICATION

- Developed a multitasking calendar web app using **JavaScript** and **MERN Stack** for users to be able to keep track of, create, and register for events happening around the city, and set up timely notifications all in one calendar app
- Designed the user interface using **HTML/SASS** and **Bootstrap** for styling and giving it a professional look abiding **Material UI**
- Integrated **Google Maps** and **Full Calendar APIs** for additional functionality and a more uniform UI and UX
- Utilized **MongoDB**, **Express**, **React**, **Node.js**, and **Postman** to develop the backend and integrate it with the front-end

FIRST RESPONSE APPLICATION

- Built a **University First Response** application to better help students access recourses at a quick and easy pace
- Optimized the **response and reaction time** with this application while also streamlining the process in an emergency
- Developed utilizing **Java 8** and **NetBeans** for front-end/UI and **MySQL** for the database using **MVC** design patterns

THE LOST CHEF WEB APPLICATION

- Designed a food blogging platform that enhances recipe searching through intuitive **tags and filters** and **easy access** to ideas
- Employed **UI/UX best practices** and **Material UI** to create an exceptional user experience taking care of specially abled userbase
- Created **low-fidelity wireframes** using **Moqups** and **high-fidelity prototypes** using **Figma** along with immersive animations

DAY-CARE REGISTRATION APPLICATION

- Developed an application for a Day Care to streamline student registration and tracking, including monitoring of admittance and vaccination records and renewal dates, and configured a notification system to alert administration of upcoming due dates
- Created the application using **Java 8** and **Eclipse IDE** for the front-end user interface, utilized **PostgreSQL** for the database management system, and employed the **MVC design pattern** to integrate the front-end and database components seamlessly

AUTOMOBILE PRICE PREDICTION MODEL USING MACHINE LEARNING

- Conducted data analysis on over 300,000 different cars to predict their costs using the **Scikit Learn library in Python**
- Applied the **Linear**, **Random Forest**, and **Decision Tree Regressor algorithms** to the data to generate accurate predictions
- Achieved a Root Mean Squared Error (**RMSE**) score within a range of 2500, indicating a high level of accuracy in the predictions