

# FIAN RODRIGUES

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## OBJECTIVE

Highly skilled **Software Developer** and recent graduate with a **Master's Degree in Information Systems**, offering **2+ years of experience in Java Development**. Seeking challenging **opportunities in Summer 2023** to leverage expertise and apply diverse knowledge in application development with exceptional Java skills.

## EDUCATION

<b>Northeastern University</b> <i>Master of Science in Information Systems</i> Related Courses: Web Design and UX Tools, Application Engineering & Development, Object Oriented Design, UX Design and Testing, iOS Development, Data Science with Python	Sept 2021 - May 2023
<b>University of Mumbai</b> <i>Bachelor of Computer Engineering</i>	Aug 2012 - May 2017

## SKILLS

<b>Languages:</b>	Java, Swift, Python, C#, C++, SQL
<b>Technologies:</b>	HTML5, CSS, SCSS, NodeJS, JavaScript, ReactJS, Redux, RESTful API, Spring Boot, Tailwind.css, Bootstrap, Material UI, Linux, Git
<b>Tools:</b>	Figma, Balsamiq Wireframes, Moqups, Axure RP, Unity, Unreal Engine 4&5, NetBeans, XCode, and Swift UIKit
<b>Libraries:</b>	Numpy, Pandas, Matplotlib, SciPy, Seaborn, Scikit Learn
<b>Databases:</b>	MongoDB, PostgreSQL, DynamoDB, MySQL
<b>AWS:</b>	Amplify, DynamoDB, Storage

## EXPERIENCE

<b>SHREE SATYAM DOORS</b> , Dombivali, India <i>Associate Software Developer</i> <ul style="list-style-type: none"><li>Developed an <b>ERP application</b> to streamline sales and delivery processes using <b>Java 8</b> and <b>Eclipse IDE</b>, <b>MVC design pattern</b>, <b>PostgreSQL</b>, <b>GraphQL</b> and <b>Java Spring Boot Framework</b> as well as various web development frameworks</li><li>Optimized the <b>response and reaction time</b> while also streamlining the process efficiently by the using <b>GraphQL</b></li><li>Developed the <b>application module for Inventory management</b> to streamline registration and tracking, including monitoring of admittance and inventory records and renewal dates, and <b>configured a notification system to alert administration</b> of deadlines</li><li>Created the application using <b>Java 8</b> and <b>Eclipse IDE</b> for the front-end user interface, utilized <b>PostgreSQL</b> for the database management system, and employed the <b>MVC design pattern</b> to integrate the front-end and database components seamlessly</li><li>Solved multiple high priority tickets before deadline which contributed to a <b>20% increase in user satisfaction</b></li></ul>	Jun 2017 – Jun 2019
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## 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

### 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

### 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