

# MUHAMMED SUHAIL

Python Fullstack Developer

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Perumbavoor, Ernakulam

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## Overview

I'm a passionate full-stack developer who builds dynamic web applications that are both user-friendly and efficient. I excel in both frontend and backend, with a focus on clean, maintainable code. Right now, I'm on a mission to conquer the backend, diving deep into microservice architecture to craft super-scalable and modular systems. I'm a lifelong learner, always staying ahead of the curve with the latest trends and best practices.

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## Professional Experience

### Fullstack Developer (Python Django)

Jan, 2024 – Present

Emergio Games

### Python Trainee

Aug, 2023 – Nov, 2023

Avodha Edutech

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## Projects

### BUSINESS SALE APP (EMERGIO)

**Business Sale App**, core backend functionalities include managing product listings, processing transactions, and handling business analytics. This can be efficiently achieved using:

- **Django**: As the primary backend framework, it handles user authentication, database management, and product inventory, ensuring secure and efficient data handling for businesses.
- **Django REST Framework (DRF)**: Provides API capabilities for seamless communication between the frontend and backend, enabling smooth interactions for sales, inventory updates, and order management.
- **WebSocket**: Enables real-time features like live inventory updates, transaction status notifications, and business performance alerts, ensuring a responsive experience for users.

### MY TOWN DELIVERY APP

**MyTown Delivery App** is a mobile application designed to provide a seamless delivery service for local businesses and users.

- **React Native**: Used to create a fully functional and responsive mobile app, offering a smooth and intuitive user experience across both Android and iOS devices.
- **Native Wind**: Implemented for styling, providing a utility-first CSS framework to build a clean, responsive, and consistent design system throughout the app.
- **Native Paper**: Integrated for UI components, ensuring the app has polished, accessible, and visually appealing elements such as buttons, modals, and cards.

### ORDER APP

**OrderApp** is a mobile application designed to streamline the ordering process, enhance user convenience, and manage various aspects of business transactions. It facilitates efficient billing, handles product ordering, and allows users to view and track their purchases, offering a comprehensive solution for both managing and tracking business transactions effectively.

- **React Native**: Used to build a fully responsive mobile app, ensuring smooth navigation and a user-friendly experience on both iOS and Android devices.

- **Django:** Powers the backend, handling user authentication, order management, and database interactions for efficient data processing and order handling.
- **Axios:** Facilitates communication between the frontend and backend by fetching and sending real-time order data through API requests, ensuring seamless synchronization.
- **Ant Design:** Integrated for UI components, providing a sleek and modern interface with well-designed elements such as forms, buttons, and tables for managing orders.

## ATTENDANCE TRACKER (EMERGIO)

The **Attendance Tracker** offers functionalities such as clocking in/out, managing leaves, and tracking employee work hours. This can be implemented through various methods like web-based logins or biometric system integration.

- **Django:** Serves as the backend, managing user authentication, database operations, and API endpoints. It efficiently handles employee data, attendance records, and integrations with external systems like biometric readers.
- **Django REST Framework (DRF):** Provides API creation and management, ensuring seamless communication between the frontend and backend, handling data for attendance tracking, leave management, and work hour reporting.
- **React:** Creates a user-friendly interface for real-time updates on clock-ins/outs, leave requests, and visualizing attendance data, improving the overall user experience.
- **Axios:** Facilitates smooth data fetching from the backend API, ensuring real-time synchronization between the frontend and backend for attendance records and employee updates.

## SALES CRM APPLICATION (EMERGIO)

A web-based **Sales CRM application** designed to streamline the sales process and enhance customer relationship management. It leverages Django, HTML, CSS, and JavaScript to deliver a user-friendly, responsive interface that prioritizes efficient navigation and dynamic interactions.

- **Django:** Utilizes Django's backend capabilities for managing customer data, sales pipelines, and automating follow-ups. It also uses the templating engine to dynamically render HTML content.
- **HTML & CSS:** Provides a clean, intuitive user interface with a focus on clarity and ease of navigation, ensuring that information is presented in a well-structured and visually appealing way.
- **JavaScript:** Adds interactivity to the CRM, enabling dynamic content updates without refreshing the page, such as scheduling reminders, callbacks, and handling real-time updates for client interactions.

## NEXTALK REAL-TIME CHAT APPLICATION

[Github](#)

**NexTalk** is a web-based application designed to facilitate real-time communication between users, focusing on seamless message exchange and a user-friendly experience.

- **Django:** Powers the backend, managing user authentication, message storage, and chatroom management. It handles the logic for delivering and storing messages securely.
- **WebSocket:** Enables real-time, instant message delivery between users, ensuring a smooth and responsive communication experience.
- **HTML & CSS:** Provides a clean and intuitive user interface, with structured semantic markup and styled components that prioritize ease of use and visual appeal.
- **JavaScript:** Enhances interactivity, allowing for dynamic content updates, real-time message display, and smooth transitions without page reloads.

## SHOPYFIELD E-COMMERCE APPLICATION

[Github](#)

**ShopyField** is a full-fledged e-commerce website designed to provide a seamless online shopping experience for users.

- **Django:** Serves as the backend framework, managing user authentication, product catalog, order processing, and handling database interactions for efficient product retrieval and order management.
- **HTML & CSS:** Used to design a clean and intuitive interface, ensuring an easy-to-navigate shopping experience with visually appealing product displays and responsive design.

- **JavaScript:** Enhances the user experience with dynamic interactions, such as product filtering, real-time cart updates, and smooth checkout processes.

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## Education

Python & Django (Avodha Edutech)

React (Self)

React Native (Self)

B.Com (Jai Bharath Arts & Science)

## Skills

- Django
- Django Rest Framework
- Channels
- Web Socket
- Python
- React JS
- React Native
- Axios
- MySQL
- HTML
- JavaScript
- CSS
- PythonAnywhere
- Netlify
- Bootstrap
- TailWind
- NativeWind
- ShadCN
- Material UI
- React Native Paper
- Twilio
- Git-Hub
- SQLite