Fathima Marva KT

Python Full Stack Developer

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Profile Summary

Python Full Stack Developer with hands-on experience in building scalable, production-ready web applications using Django, Django REST Framework, and React. Strong background in REST APIs, JWT authentication, microservices architecture, and real-time systems. Experienced in deploying containerized applications on AWS and integrating AI-driven features using RAG and LangChain.

Skills

Hard Skills

Python, Django, Django REST Framework, REST APIs, JWT Authentication, React.js, Redux Toolkit, HTML, CSS, Tailwind CSS, PostgreSQL, MongoDB, FastAPI, Microservices Architecture, WebSockets, WebRTC, Celery, Redis, RabbitMQ, Docker, AWS, Nginx

Tools & Platforms

Git, GitHub, Postman, Swagger, Docker Compose

Soft Skills

Problem Solving, Debugging, Team Collaboration, Time Management, Attention to Detail

AI / Data

Retrieval-Augmented Generation (RAG), LangChain, Vector Search

Projects

Mentora – AI-Powered Mental Health Platform, *Tech Stack: Python, Django, DRF, FastAPI, React, PostgreSQL, MongoDB, WebSockets, WebRTC, Celery, Redis, RabbitMQ, Docker, AWS, LangChain* — Present

- Designed a microservices-based backend architecture separating authentication, users, appointments, and medical services.
- Implemented secure JWT authentication with role separation for patients, doctors, and administrators.
- Built a severity-based assessment engine to classify patients into Mild, Moderate, and Severe categories.
- Developed an AI-driven recommendation system using RAG (LangChain) to match patients with specialists.
- Implemented real-time chat using WebSockets with encrypted MongoDB message storage.
- Integrated WebRTC-based video consultations with WebSocket signaling.
- Used Celery with RabbitMQ and Redis for background tasks and reminders.
- Containerized services with Docker.

DecoNest – Home Decor E-Commerce Platform,
Tech Stack: React, Tailwind CSS, Django REST Framework, PostgreSQL, AWS
- Built a full-stack e-commerce application with cart, orders, and secure checkout
- Implemented JWT-based authentication and role-based access control
- Integrated Razorpay payment gateway
- Deployed backend on AWS EC2 and frontend on Vercel

Experience

Full Stack Developer Intern, *Bridgeon Solution*
05/2025 – Present
Malappuram, Kerala
- Developing backend APIs using Django and Django REST Framework
- Implementing JWT-based authentication and role-based access control
- Working with PostgreSQL and MongoDB for structured and unstructured data
- Collaborating with frontend teams to integrate REST APIs with React applications
- Assisting in deploying containerized services using Docker

Education

Bachelor of Computer Science (B.Sc. CS),
2022 – 2025
EMEA College of Arts and Science, Kondotty – Calicut University
Kondotty

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