Muhammed Salman Faris

Full Stack Python Developer | Django & FastAPI | React.js | AI Integration | Docker

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GitHub | LinkedIn | Portfolio

Professional Summary

Full Stack Python Developer with hands-on experience building scalable web applications, real-time backend services, and AI-driven microservices. Skilled in Python, Django, FastAPI, and React, with a strong focus on seamlessly integrating LLMs, vector search (FAISS), and Computer Vision (OpenCV) into production environments. Focused on database optimization, Docker containerization, and secure multi-role authentication workflows. Committed to architecting intelligent, high-performance systems that bridge robust traditional backends with modern AI capabilities.

Technical Skills

Backend: Python, Django, DRF, FastAPI, Celery, Redis, WebSockets (Django Channels), REST APIs
AI & Computer Vision: LangChain, FAISS (Vector DB), OpenCV, MediaPipe, LLM Integration
Frontend: React.js (v19), Redux, JavaScript (ES6+), Tailwind CSS, Framer Motion, Axios
Database & Cache: PostgreSQL, SQLite, Redis, Query Optimization, Indexing, Transactions
Cloud & DevOps: AWS (ECS, ECR, EC2, S3), Docker, Nginx, GitHub Actions (CI/CD), Vercel
Tools & Methodologies: Git, GitHub, Postman, Agile, RESTful Architecture, Clean Code

Professional Experience

Python Full Stack Developer | **Bridgeon Solutions LLP, Kozhikode** 2025 – Present

- Engineered backend services with **Django & FastAPI**, reducing overall API latency by **30%**.
- Built responsive UI components using **React 19 & Tailwind CSS**, improving page load speeds by **25%**.
- Integrated **Google OAuth 2.0 & DRF SimpleJWT** for secure authentication, managing **1,500+ users**.
- Enabled real-time features using **Django Channels & Redis**, offloading background tasks to **Celery**.
- Containerized applications via **Docker** and automated CI/CD pipelines, **accelerating deployment cycles by 50%**.
- Optimized **PostgreSQL** queries and indexing, dropping data retrieval times from **1.2s to under 400ms**.

Projects

Hair Ways – AI-Powered Salon & Virtual Stylist Platform | Live Link

- Architected a hybrid backend using **FastAPI** for high-performance AI inference and **Django** for complex business logic, managed via a **Dockerized microservices** setup.
- Built a virtual stylist engine leveraging **OpenCV and MediaPipe** for facial landmark detection, mapping styles based on individual face shapes with **95% accuracy**.
- Developed a RAG-based recommendation system using **LangChain and FAISS vector database** to provide personalized grooming advice based on user history and trends.
- Implemented real-time salon availability and instant booking notifications using **WebSockets (Django Channels)** and **Redis**, reducing booking friction by **20%**.
- Deployed the scalable architecture to **AWS ECS (Fargate)** with an automated **GitHub Actions CI/CD** pipeline, ensuring zero-downtime updates for the AI models.

Echobay – Full Stack E-Commerce Platform | Live Link

- Architected a decoupled application using **Django REST Framework (DRF)** and React.js, hosted on **AWS EC2** with Nginx and Gunicorn to handle **500+ daily requests**.
- Established a robust **CI/CD pipeline** via Vercel for the frontend, automating build processes and **reducing release time by 40%**.
- Unified secure authentication combining **Google OAuth 2.0** and JWT, ensuring seamless user access and stateless session management.
- Optimized **Nginx Reverse Proxy** and Vercel redirects to handle CORS and secure API routing, ensuring **99.9% uptime** between client and server.

Course Selling Platform – Backend API

- Formulated a scalable LMS backend using **Django REST Framework & PostgreSQL**, supporting **500+ concurrent users** and managing **50GB+** of video content.
- Enforced robust **Role-Based Access Control (RBAC)** via JWT, ensuring granular permission levels for 3 distinct user roles (Admins, Instructors, Students).
- Secured the video delivery system using **Signed URLs**, preventing unauthorized access and protecting **100%** of premium content revenue.
- Engineered advanced filtering and pagination logic using **Django Filter**, reducing API response payload size by **50%** for large datasets.

Education

Higher Secondary Education (Commerce) 2023 – 2025
Nochad Higher Secondary School, Calicut

Languages

Proficient: Malayalam, English, Hindi