Moon M

Python Backend Developer, 3+ years experience
Indore, India
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Python Backend Developer with 3+ years of experience building scalable, high-performance applications and microservices using Flask, FastAPI, and Python ecosystems. Strong in cloud-native development (GCP, AWS) with hands-on expertise in serverless (Cloud Functions, Lambda), Dockerized deployments, and scalable architecture. Skilled in multi-tenant systems, API integrations, event-driven programming, and implementing robust auth/auth mechanisms. Proficient in writing modular, reusable, and optimized code, ensuring enterprise-grade performance and security.A collaborative team player, comfortable working in Agile/Scrum environments, with proven ability to design, develop, and deploy backend systems that deliver real business value. Passionate about automation, CI/CD pipelines, and modern web technologies.

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• React	3 years
• API Integration	3 years
• CSS	3 years
• React.Js	3 years
• Java Script	3 years
• HTML	3 years
• Flask	2 years
• FastAPI	2 years
• SQL	2 years
• TypeScript	2 years & 5 months
• Github	2 years & 5 months
• Python	2 years & 5 months
• Redux	1 years & 5 months
• Django	1 years

SOFT SKILLS

Critical thinking, Communication

PROJECT DETAILS

- GenAI Support Module

Project Description: Developed a GenAI-powered support module for quick retrieval of specific knowledge using RAG (Retrieval-Augmented Generation)
Responsibilities: Designed and deployed FastAPI-based orchestrator with LangChain SQL agent. Built modular APIs and integrated authentication/authorization. Designed user-friendly interfaces with Streamlit for seamless access. Implemented Dockerized deployment and optimized query performance.
Technologies: Python, FastAPI, LangChain, SQL, Streamlit, Groq AI, NLP Tools, Docker, GCP
Industry: Software and Platforms

• Logistics Automation ERP

Project Description: Enterprise ERP platform for logistics automation with microservices & multi-tenant architecture.

Responsibilities: Led design and backend development with Flask and FastAPI microservices. Implemented Role-Based & Row-Level Access Control (RBAC) with scalable permission modules. Integrated GraphQL & REST APIs for data-heavy ERP modules. Automated CI/CD pipelines with GitLab CI and deployed services on Docker + Nginx + Gunicorn

Technologies: Python (Flask, FastAPI), Node.js (transition to Python services), PostgreSQL, GraphQL, Docker, Nx+Monorepo, AWS/GCP

Industry: Software and Platforms

• Cylinder Distribution System

Project Description: Web platform for LPG cylinder distribution with KPIs, order & vehicle management, and financial tracking

Responsibilities: Architected secure backend APIs with FastAPI and integrated SQL + NoSQL databases. Built multi-tenant microservices with event-driven workflows. Designed JWT-based authentication and scalable access control. Containerized services with Docker and deployed on AWS/GCP

Technologies: Python (FastAPI, Flask), ReactJS, MongoDB, MySQL, Docker, AWS Fargate

Industry: Software and Platforms

• Face Mask Detection System

Project Description: Developed an AI-powered computer vision system to automatically detect whether individuals are wearing face masks in real time. Built from scratch using deep learning and computer vision techniques, the system leverages convolutional neural networks (CNNs) to classify faces with or without masks. The solution is optimized for deployment in public places, workplaces, and events, ensuring compliance with safety protocols

Responsibilities: Collected and preprocessed datasets of masked and unmasked faces. Implemented CNN models using TensorFlow/Keras for mask detection. Integrated OpenCV for real-time face detection and image preprocessing. Trained and fine-tuned the model to handle variations in mask types, angles, and lighting conditions. Evaluated performance using confusion matrices, precision, recall, and F1-score. Deployed the solution for real-time detection via video streams and camera input. Documented workflows, challenges, and performance results for future scalability.

Technologies: Python, Keras, PyTorch, OpenCV, NumPy, Matplotlib, CNN-based deep learning, object detection, image preprocessing, Jupyter Notebook, Git/GitHub, Google Colab

Industry: Software and Platforms

EDUCATION

• Bachelors degree in BCS from MCBU 2017 - 2021

LANGUAGES

• English - advanced

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