

MOHAMMED SHAREEF M

Backend Software Engineer | Python - Microservices - AI Integration

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Planned relocation to Dubai: 12 October 2026 | Open to relocation, hybrid and remote roles

PROFESSIONAL SUMMARY

Backend engineer with approximately four years of experience building Python microservices for fintech and enterprise platforms. Most recently worked on a large-scale enterprise data platform spanning FastAPI services, Kafka messaging, Camunda 8 workflow orchestration, Epicor ERP integration, and a production LLM-based document extraction pipeline. Experienced in end-to-end service ownership: stakeholder requirements, BPMN design, implementation, CI/CD and production operations.

PROFESSIONAL EXPERIENCE

Software Developer, Backend | Alucor Solutions

Jan 2025 - Sep 2026 | Bangalore, India

- Built and maintained backend microservices for a large-scale data warehouse platform: FastAPI services communicating over Kafka, integrated with Epicor ERP.
- Developed LLM-based AI agents for automated architectural planning and design-consistency enforcement across distributed services.
- Built an LLM-powered CRUD generator producing three-layer FastAPI services from database schemas, cutting setup time for new services by approximately 70%.
- Built a production LLM-based document extraction pipeline handling multiple layouts and multi-document classification; extracted data fed directly into ERP approval workflows.
- Designed and shipped Camunda 8 BPMN workflows, including UAE and KSA visa application processes deployed as a standalone microservice on AWS App Runner. Migrated legacy Camunda 7 workflows to 8.7 and established implementation conventions.
- Operated production infrastructure on AWS: Elasticsearch heap and shard tuning, disk watermark recovery, index lifecycle maintenance, Kibana administration and the Zeebe cluster on EC2.
- Set up GitLab CI/CD pipelines with automated test gates for zero-downtime deployments and managed supporting AWS infrastructure including IAM, ECS/EKS, ECR and Lambda.

Software Engineer | ZilMoney / ZilBank

Aug 2023 - Mar 2024 | Manjeri, India

- Developed backend services for payment processing and digital banking in a fintech microservices environment, from design through production deployment.
- Implemented JWT authentication, role-based access control and TLS across services to meet financial-industry security requirements.
- Improved fraud-detection accuracy by isolating detection logic into independently testable microservice modules.
- Collaborated with frontend teams to maintain consistent API contracts and stable integrations across releases.

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PROFESSIONAL EXPERIENCE - CONTINUED

Software Engineer | Accubits Technologies Pvt Ltd

Jan 2022 - Apr 2023 | Thiruvananthapuram, India

- Led a small backend team through sprint planning, task allocation and Jira-managed delivery, consistently meeting project milestones.
- Built and maintained Django applications with Docker-based deployments on Ubuntu Linux, plus Pandas pipelines for data processing.
- Handled production incidents within SLA, keeping client-facing services highly available.

TECHNICAL SKILLS

Languages & Frameworks: Python, FastAPI, Django, SQL, Bash, REST API design; asyncio for asynchronous APIs and concurrent tasks

AI & LLM Engineering: LLM integration, prompt engineering, document extraction and classification, LLM-based code generation, AI agents for development automation

Workflow & Messaging: Camunda 8 (Zeebe), BPMN 2.0, Apache Kafka, Redis Streams

Data & Search: PostgreSQL, MySQL, Redis, Elasticsearch, Kibana

Cloud & DevOps: AWS (App Runner, ECS/EKS, Lambda, IAM, ECR), Docker, Kubernetes, GitLab CI/CD

Security & Quality: JWT, OAuth2, SSL/TLS, RBAC, Pytest, Git, Jira

EDUCATION & TRAINING

BE, Computer Science and Engineering | Anna University, India

2015 - 2019

CCNA & AWS Internship | Bsoft, India

2019 - 2020

Python Developer Internship | Brototype, India

2021

ADDITIONAL INFORMATION

Languages: English (professional), Malayalam (native)

Availability: Immediately available; no notice period.

Dubai relocation: Planned arrival on 12 October 2026 on a tourist visa.

Work authorization: Indian national; requires employer-sponsored UAE work authorization before starting employment.