

Shaikh Mohammed Usman

Backend Software Engineer | Python | FastAPI | PostgreSQL | Docker | REST APIs |
Microservices | Automation

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PROFILE

Result-driven Backend Engineer with 2+ years of experience designing and deploying scalable multi-tenant SaaS platforms, microservices, and automation workflows. Proficient in Python, FastAPI, and robust database architectures. Demonstrated track record across healthcare, commerce, and automation domains, with a passion for clean architecture, system design, and performance optimization.

PROFESSIONAL EXPERIENCE

Backend Software Engineer 04/2024 – Present | Mumbai, India

Suflon Tech LLP 📄

- API & Microservices Architecture:** Designed and developed high-performance RESTful APIs using **FastAPI** and **Python** within a microservices ecosystem, improving system modularity and achieving **99.9% uptime** for core services.
- Multi-Tenant SaaS Platforms:** Built and scaled complex, multi-tenant business applications for healthcare, e-commerce, and CRM domains using **multi-schema PostgreSQL** architectures, supporting secure, concurrent data access for multiple enterprise clients.
- Asynchronous Data Processing:** Implemented event-driven background workers using **Celery**, **RabbitMQ**, and **APScheduler**, successfully offloading heavy report generation and processing **10,000+ asynchronous tasks daily** without impacting main thread performance.
- Database & Latency Optimization:** Optimized PostgreSQL schemas, implemented strategic indexing, and integrated **Redis** caching layers, reducing overall API latency by up to **40%** and significantly decreasing database CPU load.
- Web Automation & Data Pipelines:** Engineered automated lead acquisition and contact enrichment pipelines using **Playwright**, eliminating manual data entry and saving approximately **20 hours per week** in data collection efforts.
- Security & Cloud Integrations:** Secured application endpoints by deploying **JWT**, Role-Based Access Control (**RBAC**), and multi-factor **OTP authentication**, while seamlessly integrating **AWS S3**, payment gateways, and external APIs across the full SDLC.

EDUCATION

M.Sc. Information Technology 07/2023 – 05/2025 | Mumbai, India

Thakur College of Science and Commerce 📄

Java Core-to-Advanced Certification 01/2023 – 06/2023 | Mumbai, India

Anudip Foundation 📄

B.Sc. Information Technology 06/2019 – 05/2022 | Mumbai, India

Maharashtra College of Arts Science and Commerce 📄

SKILLS

Backend: Python, FastAPI, SQLAlchemy, REST APIs, Microservices

Databases: PostgreSQL, Redis, Alembic, Multi-Tenant Architecture

Messaging & Async: Celery, RabbitMQ

DevOps/Infra: Docker, Linux, Traefik, CI/CD, AWS S3

Testing & Automation: Pytest, Playwright, Locust, Web Scraping

Security: JWT, RBAC, OTP Authentication