

Muhammed Fasil M

Backend Software Engineer – Python

✉ fasilmadathil999@gmail.com 📞 +91-8113060362 📍 Bengaluru 🔗 fasilmadathil.github.io/Muahmmed-Fasil/

🌐 linkedin.com/in/muhammed-fasil-m 🗣️ medium.com/@Muhammedfasilm 🔄 github.com/Fasilmadathil

Summary

Backend Software Engineer specializing in Python and Django, with experience building and scaling production REST APIs for high-traffic systems. Strong focus on performance optimization, background processing with Celery, Redis-based caching, and AWS deployments. Comfortable owning backend services end-to-end in production environments.

Work Experience

Software Engineer, TraceByte Private Ltd

11/2022 – Present
Bangalore

- Designed and maintained core Django backend services supporting 50,000+ daily active users with 99.9% uptime.
- Implemented Redis-based caching and query optimizations on high-traffic endpoints, reducing API latency by ~35% and database load by ~20%.
- Built and maintained REST APIs using Django REST Framework, integrating 5+ third-party services including payment gateways, with proper error handling, retries, and webhook processing.
- Developed Celery-based background jobs for data ingestion and validation, automating manual workflows and saving the operations team ~10 hours per week.
- Introduced unit and integration testing with PyTest as part of the CI pipeline, significantly reducing regression-related production issues.
- Deployed and operated Django applications on AWS using EC2, S3, and RDS, with Git-based CI/CD pipelines for automated testing and deployments.
- Collaborated with frontend teams to design and evolve REST API contracts, ensuring consistent data models and smooth React.js integration.

Projects

Apartment Management System 📄, Django

- Designed and developed a role-based apartment management system supporting super admin, landlords, and tenants.
- Implemented rent tracking, due-date reminders, and payment status management with automated monthly workflows.
- Built REST APIs using Django Rest Framework with proper authentication and authorization.
- Modeled relational data for apartments, tenants, payments, and ownership using MySQL.
- Added background tasks and scheduled jobs for notifications and status updates.
- Followed clean architecture practices with reusable apps and modular code structure
- Exploring the integration of an AI-powered chatbot for tenant queries using OpenAI APIs and FastAPI.

Technical Skills

Languages

Python, JavaScript

Databases

MySQL, PostgreSQL

Testing & APIs

PyTest, Postman, Swagger

Web Framework

Django, Django REST Framework

Background Processing & Caching

Celery, Redis

DevOps & Cloud

AWS (EC2, S3, RDS), CI/CD, Git

Education

BACHELOR OF COMPUTER APPLICATION, UNIVERSITY OF CALICUT

2018 – 2021
KOZHIKODE, INDIA

CENTRAL BOARD OF SECONDARY EDUCATION - XII, MIM HIGHER SECONDARY SCHOOL

2016 – 2018
PEROAD, KERALA