GIRISH FEDRAM

Python Backend Engineer, Abu Dhabi, UAE   ✉ girishfedram@gmail.com

📞 +971 56-1952-913/+ 91 9767336818   🔗 linkedin.com/in/girish-fedram

SUMMARY

Python Backend Developer with over 7 years of experience building APIs, microservices, and scaleable backend solutions. Skilled in Python, Django, Flask, MongoDB, MySQL, AWS, and GCP with proven skills in automation, Event Driven systems, DevOps, system monitoring, and performance optimization. Experienced in architecting high-availabilty, secure, and performant backend solutions that form the foundation of business-critical operations.

EXPERIENCE

Huawei Cloud Middle East – Abu Dhabi, UAE

Senior Backend Engineer | Dec- 2024 – Present

- Designed AI-driven mail automation solutions for Service Desk and NOC operations, reducing manual workload.
- Currently deploying on-prem LLMs with RAG pipelines and experimenting with agentic AI for Service Desk and NOC operations using LangChain, OLLAMA, and n8n — building autonomous workflows, improving knowledge retrieval, and reducing human intervention.
- Contributing as a Backend Developer on the Huawei CloudScope platform, building scalable backend services and microservices.
- Developed and implemented security solutions, iLearnign Platform and HRMS, improving compliance and reliability.

Huawei Cloud Middle East – Abu Dhabi, UAE

Subject Matter Expert – Python | Mar 2023 – Dec- 2024

- Designed and developed REST APIs and microservices for the Huawei CloudScope platform
- Built Python plugins for the Huawei IMOC cloud monitoring system on Core42 Cloud.
- Set up and administered MongoDB clusters with Ops Manager for high availability.
- Deployed and maintained multiple projects on the G42 Cloud platform for Abu Dhabi Government initiatives.
- Managed and supported the Data Management Platform (DMP) for Abu Dhabi Government.
- Contributed to deployments and integrations of Tableau, Grafana, and other monitoring tools.

Miratech (Client: BlackRock) – Remote, India
Senior Software Engineer | Oct 2022 – Mar 2023

- Developed custom data loaders for BlackRock's Aladdin platform, enabling seamless data ingestion.
- Built and maintained backup and disaster recovery systems, ensuring high availability and business continuity.
- Optimized database performance and implemented automated ingestion workflows, improving efficiency and reliability.

Karza Technologies – Mumbai, India
Senior Software Engineer | Feb 2020 – Oct 2022

- Built low-latency APIs for the TotalKYC platform using serverless architecture, ensuring scalability and high performance.
- Designed and implemented a Health Checker system for real-time API monitoring and reliability tracking.
- Developed a Generic Batch Processing System with concurrency control using Redis and distributed locks, enabling safe and efficient parallel execution across multiple products.
- Delivered both synchronous and asynchronous APIs for mission-critical services, improving flexibility and throughput.

Quantiphi Analytics – Mumbai, India
Software Developer | Feb 2018 – Jan 2020

- Built workflow pipelines to enable multimedia inferencing and large-scale data processing.
- Designed and developed Django-based microservices deployed on Google Cloud Platform for scalable backend solutions.
- Integrated and productionized AI/ML models, ensuring high availability and reliability in live environments.
- Optimized API response times and database queries, significantly reducing system latency.

SKILLS
- Languages & Frameworks: Python, Django, Flask
- Databases: MongoDB, MongoOps Manager, PostgresSQL MySQL, Redis
- Cloud & DevOps: G42 Cloud, AWS, GCP, Docker, CI/CD, Serverles
- Monitoring Solutions : IMOC, CloudWise, DataDog, Graylog
- Other: REST APIs, Microservices, Automation, Monitoring Tools & Dashbaords

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EDUCATION

Bachelor of Engineering (B.E.) – Information Technology
Savitribai Phule Pune University, 2017 — *First Class with Distinction*

Diploma in Information Technology
Government Polytechnic, Nanded, 2014 — *First Class with Distinction*