Shiva Krishna

✉ pallewarshiva@gmail.com   📞 +918919372570   📍 Hyderabad, Telangana   in linkedin.com/in/shivakrishna

Summary

Software Engineer with 3+ years of experience designing, building, and deploying scalable web applications using Python (FastAPI, Flask) and Angular. Proven expertise in microservices architecture, RESTful APIs, and cloud-native deployments on AWS. Strong background in performance optimization, distributed caching (Redis, Memcached), and CI/CD automation, with a focus on building reliable, high-performance backend systems.

EXPERIENCE

Software Engineer, *Probe Information Services*   02/2023 – Present
                                                                       Bangalore, Karnataka

- Designed, developed, and maintained backend services using Python (FastAPI, Flask) ensuring scalability and production readiness.
- Designed efficient data pipelines and optimized queries using MySQL and MongoDB, reducing API response times by 40% through Redis and Memcached caching.
- Accelerated feature delivery by 30% in an Agile environment using the Scrum framework, implementing FastAPI to enforce strict API schemas.
- Deployed backend services using automated CI/CD pipelines, enabling reliable and repeatable production releases.
- Built scalable UI components using Angular, improving UI performance by 20% through optimized rendering and efficient state handling.

EDUCATION

Bachelor of Technology (B.Tech.) - Computer Science and Engineering,   07/2018 – 08/2022
Sri Indu College of Engineering and Technology

SKILLS

Frontend
Angular, JavaScript (ES6+), Typescript, RxJS, NgRx, HTML, CSS, LESS

Cloud & DevOps
AWS (EC2, S3, RDS, CloudFront, IAM), Docker, CI/CD

Architecture & Design
System Design, Microservices Architecture

Tools
Git, Postman, VS Code, Jira , NPM, Docker

Backend & APIs
Python, FastAPI, Flask, PHP, REST APIs, JWT

Databases & Libraries
MySQL, MongoDB, PostgreSQL, SQLAlchemy, PyMongo

Caching & Messaging
Redis, Memcached, RabbitMQ

AI / LLMs
Prompt Engineering, LLM API Integration

PROJECTS

CollabX — SaaS Project Management Platform ⎘, *Angular, Python, FastAPI, MySQL,*   04/2025 – 07/2025
MongoDB, JWT auth, AWS (S3, CloudFront, EC2, RDS), CI/CD

- Designed and developed scalable backend APIs using Python (FastAPI) with JWT-based authentication, supporting secure user and project management workflows.
- Optimized data models and queries across MySQL and MongoDB, improving API performance and reliability.
- Implemented production-grade error handling, request validation, and structured API responses.

- Deployed the full-stack application on AWS, configuring S3 and CloudFront for frontend hosting and CI/CD pipelines for automated builds and deployments.

API Gateway & Request Orchestration Service, *Python, FastAPI, Redis, JWT*   01/2025 – 04/2025
- Designed and developed a custom API Gateway service to centralize authentication, routing, and request orchestration for multiple backend services.
- Implemented JWT-based authentication, request validation, and centralized error handling at the gateway layer.
- Added Redis-based caching and rate limiting, reducing API response times by 25% and improving overall request throughput.
- Built aggregation endpoints to combine responses from multiple downstream services into a single API call, reducing client-side complexity.

Equity Research Data Platform, *Python, FastAPI, Flask, Angular, Javascript, Typescript, Microservices, MySQL, MongoDB, Redis, RabbitMQ, AWS*   08/2025 – 01/2026
- Contributed to backend microservices for an Equity Research data platform that aggregates and standardizes company, financial, and compliance data for investment analysis.
- Built and maintained APIs delivering company profiles, director relationships, shareholding details, charges, financial statements, improving API response times by 35% and data fetch efficiency by 30% through query optimization and caching.

Certificates

- AWS Certified Developer – Associate (Amazon Web Services) ⧉