Maddur Jeevan Kumar Reddy

Backend Engineer (Distributed Systems & APIs)

reddyjeevan936@gmail.com | +91-9390643938 | Hyderabad, India | LinkedIn | GitHub | Portfolio

Summary

Backend Engineer with **3+ years of experience** building and optimizing **scalable APIs, distributed services, and cloud-native systems**. Demonstrated impact in **reducing latency (25–40%)**, improving system reliability, and automating workflows to drive measurable efficiency gains. Strong expertise in **Python (Django, FastAPI)**, microservices architecture, and production-grade engineering across AWS and Azure.

Experience

Software Development Engineer — Nashik, India
FarmSetu Technologies — **July 2025 – Present**

- Designed and implemented key backend modules using **Python, Django, and FastAPI**, supporting high-traffic services used by thousands of active users.
- Improved API response times by **25%** by optimizing SQL queries, introducing indexed access patterns, and implementing application-level caching.
- Contributed to a **microservices-based architecture**, enabling independent deployment of trade, payments, and logistics services.
- Integrated third-party **payment and logistics APIs**, improving order traceability and reducing manual operational overhead.

Software Development Engineer — Hyderabad, India
Altiushub — **May 2024 – June 2025**

- Built and scaled a **multi-tenant SaaS backend** using **Django**, ensuring tenant isolation while maintaining shared infrastructure efficiency.
- Increased automated test coverage to **90%** by implementing **containerized test environments** using Django Test Framework and CI pipelines.
- Reduced average server response times by **40%** by refactoring critical request paths and optimizing ORM query usage.
- Collaborated cross-functionally to stabilize production releases and improve deployment reliability.

Software Development Engineer (Project-Based Engagement) — Hyderabad, India
PxG (PTG) Partners — **Oct 2023 – Apr 2024**

- Modernized legacy backend components built on **CodeIgniter (PHP)** by refactoring inefficient data access layers.
- Improved application stability and response consistency by resolving long-standing production performance issues.
- Delivered targeted enhancements under strict timelines, contributing to successful client handover.

Software Development Engineer (Migration Project) — Hyderabad, India
Conduira — **Apr 2023 – Sept 2023**

- Executed a production **AWS to Azure migration**, maintaining **100% data integrity** with minimal service disruption.
- Automated internal workflows using **Python**, improving operational efficiency by an estimated **30%**.
- Partnered with infrastructure teams to validate post-migration performance benchmarks.

Software Developer Intern → Full-Time Conversion — Hyderabad, India
Conduira — **June 2022 – March 2023**

- Optimized **REST API** performance through improved request handling and resource utilization.
- Contributed to internal tools and automation scripts, leading to a full-time offer based on performance.

Technical Skills

- **Languages:** Python, Java, SQL, C/C++, PHP, JavaScript
- **Backend Frameworks:** Django, FastAPI, Spring Boot, Hibernate, CodeIgniter

- **Infrastructure & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, CI/CD, Git, Jenkins

- **Databases:** PostgreSQL, MySQL

- **Core Concepts:** Distributed Systems, Microservices, REST API Design, System Design, Data Structures

- **Developer & ML Tools:** Linux, Postman, Jupyter, NLTK, NVIDIA NeMo

Projects

Intelligent E-Commerce Microservices Platform *FastAPI, Spring Boot, Docker, Kubernetes, AWS*

- Built a polyglot **microservices backend** using FastAPI and Spring Boot to support scalable e-commerce workflows.

- Containerized and deployed services on **Kubernetes (AWS)** with a Jenkins-based CI/CD pipeline.

- Implemented recommendation and sentiment analysis services using **NLTK**.

Distributed Discord Bot *Python, asyncio, FFMPEG*

- Developed an asynchronous, event-driven bot capable of real-time audio streaming into Discord voice channels.

- Designed a concurrent request-queuing system to ensure low-latency playback across servers.

Agri-Yield Prediction Backend Service *Java, Spring Boot*

- Built a RESTful backend service consumed by an Android application.

- Integrated IoT sensor data and external weather APIs to generate crop-yield insights.

Education & Certifications

B.Tech — Electronics & Communication Engineering **2019 – 2023**
KLEF (KL Hyderabad) CGPA: **9.3 / 10**

- **Certifications:** HCIA-AI (Huawei) | Python for Everybody (Udemy) | IoT Foundations (LinkedIn Learning)

- **Achievement:** Secured **34th Rank** in NASSCOM Machine Learning Hackathon (2021)