

Maddur Jeevan Kumar Reddy

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Summary

Backend Engineer with 3+ years of experience specializing in designing, developing, and scaling distributed systems and RESTful APIs. Proven ability to optimize system performance, achieving up to a **90%** increase in efficiency through automation and code refactoring. Proficient in Python (Django, FastAPI), cloud-native technologies (AWS, Azure, Docker), and CI/CD practices. Passionate about building robust, high-availability services for modern web applications.

Experience

Software Development Engineer

Nashik, India

FarmSetu Technologies

July 2025 – Present

- Architected and deployed scalable backend services and **RESTful APIs** using **Python, Django, and FastAPI**, supporting a high-traffic agri-food platform with thousands of active users.
- Reduced API latency by **25%** through strategic query optimization and caching of large-scale IoT data streams, significantly improving application responsiveness.
- Engineered features within a **microservices architecture**, enabling independent deployment of core services (e.g., trade, finance) and increasing development velocity.
- Integrated third-party payment gateways and logistics APIs, expanding core platform capabilities and enhancing end-to-end supply chain transparency.

Software Development Engineer

Hyderabad, India

Altiushub

May 2024 – June 2025

- Designed and developed a multi-tenant SaaS application using **Django**, delivering a high-performance, maintainable solution for enterprise clients.
- Implemented a robust automated testing pipeline using virtual simulation, achieving **90% test coverage** and reducing manual testing efforts by over **80%**.
- Optimized application performance by refactoring critical code paths and improving resource utilization, resulting in a **40%** reduction in server load times.

Software Development Engineer

Hyderabad, India

PxG Partners

Oct 2023 – April 2024

- Developed and maintained client-facing web applications using the **CodeIgniter (PHP) framework**, delivering features based on client requirements.
- Enhanced platform efficiency by identifying and resolving performance bottlenecks in the legacy codebase.

Software Development Engineer

Hyderabad, India

Conduira

April 2023 – Sept 2023

- Played a key role in the successful platform migration from **AWS to Azure**, ensuring 100% data integrity and minimal service downtime.
- Developed **Python automation scripts** for internal tooling, which streamlined workflows and improved operational efficiency by an estimated **30%**.

Software Developer Intern

Hyderabad, India

Conduira

June 2022 – March 2023

- Enhanced platform performance by optimizing **REST APIs** and implementing efficient resource management techniques.
- Contributed to the development of internal applications and automation scripts, earning a full-time offer upon graduation.

Technical Skills

- Languages:** Python, Java, C/C++, SQL, PHP, JavaScript
- Backend Frameworks:** Django, FastAPI, Spring Boot, Hibernate, CodeIgniter
- Cloud & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, CI/CD, Git, Jenkins

- **Databases:** PostgreSQL, MySQL, SQL
 - **Core Concepts:** System Design, Microservices, REST APIs, Distributed Systems, Data Structures, Algorithms
 - **Developer Tools:** Linux, Jupyter, NLTK, NVIDIA NeMo, Postman

Projects

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

- Architected a polyglot **microservices** platform using **Python (FastAPI)** and **Java (Spring Boot)** to build a scalable and resilient e-commerce backend.
 - Deployed services as **Docker** containers orchestrated with **Kubernetes** on **AWS**, establishing a CI/CD pipeline with Jenkins for automated builds and deployments.
 - Implemented intelligent features, including a recommendation engine and a sentiment analysis service using **NLTK**, to provide personalized user experiences.

Python, asyncio, FFMPEG, YouTube API

- Engineered an asynchronous, command-based bot capable of real-time audio stream processing from the YouTube API into Discord voice channels.
 - Designed a queuing system to handle concurrent requests from multiple users across different servers, ensuring high availability and low-latency audio playback.

Agri-Yield Prediction Service | Java, Spring Boot, REST API, IoT

- Developed a **RESTful backend service** using **Java** and **Spring Boot** to serve crop yield predictions to a client-facing Android application.
 - Integrated with a real-time data pipeline that processed IoT sensor data (PH sensor) and third-party Weather APIs to generate actionable insights.

Education Certifications

B.Tech, Electronics Communication Engineering (CGPA: 9.3/10.0) **2019 – March 2023**

KLEF, KL Hyderabad

- **Certifications:** HCIA-AI (Huawei) | Python for Everybody (Udemy) | IoT Foundations (LinkedIn Learning)
 - **Achievements:** Secured 34th rank in NASSCOM Machine Learning Hackathon (2021).