

Rajendra Prasad

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Professional Summary

Full Stack Python Developer with strong experience designing and delivering scalable, production-grade web applications. Skilled in backend architecture, REST API design, and data modeling using Django and Flask, with hands-on frontend development using React. Proven ability to own end-to-end systems, optimize performance, and deploy containerized applications in Linux environments. Experienced in building secure, reliable systems with strong focus on code quality, system design, and cross-functional collaboration.

Experience

Associate Developer Aug 2024 – Present
ES Informatics Pvt LTD

- Owned end-to-end development of **4+ production-grade web applications**, including system design, backend architecture, deployment, and post-release support.
- Designed and implemented **scalable RESTful APIs (20+ endpoints)** using Django REST Framework and FastAPI, ensuring clean service boundaries and maintainable architecture.
- Built modular backend systems with **service-oriented architecture**, improving extensibility and reducing technical debt.
- Implemented **asynchronous background processing** using Celery and Redis for handling long-running and high-load operations.
- Implemented secure authentication and authorization using **JWT-based RBAC** supporting multi-role systems (admin, operator, end user).
- Modeled and managed relational databases (**PostgreSQL, MySQL**) handling **1000+ records per system**, optimizing queries for performance and consistency.
- Containerized and deployed **5+ services using Docker** on Linux environments and **AWS infrastructure (EC2)**, improving deployment consistency and scalability.
- Collaborated closely with frontend teams (React) to define API contracts, improving integration efficiency and reducing iteration cycles.
- Diagnosed and resolved critical production issues, improving API response reliability and reducing system downtime.
- Mentored **4 junior developers/interns**, conducting code reviews and enforcing backend best practices.

Projects

Warehouse Inventory Management System

Django, DRF, MySQL, Docker, Nginx, AWS

- Designed and developed a scalable inventory system managing **100000+ SKUs**, order workflows, and stock lifecycle operations.
- Deployed application on **AWS (EC2)** with Docker and Nginx, ensuring high availability and reliable production access.
- Implemented transactional workflows ensuring data integrity across inventory updates and order processing.
- Built secure REST APIs with validation, authentication, and structured error handling.

Secure 360 – Real-Time Monitoring Platform

Django, React, WebSockets, PostgreSQL

- Developed backend services for real-time system monitoring using **WebSockets**, enabling live streaming of system health metrics.
- Integrated frontend dashboards (React) with backend services to provide actionable operational insights.

Technical Skills

Languages: Python, JavaScript (ES6+), HTML, CSS

Backend: Django, Flask, FastAPI, Django REST Framework, REST API Design

Frontend: React.js, Bootstrap

Databases: PostgreSQL, MySQL, SQLite

DevOps & Tools: Docker, Nginx, Git, Linux, AWS (EC2)

Technologies: Redis, Celery

Concepts: System Design, API Architecture, Authentication (JWT), RBAC, Asynchronous Processing, Performance Optimization

Education

IIITDM Kancheepuram

Bachelor of Technology (B.Tech) in Mechanical Engineering

2018 – 2022

CGPA: 8.45/10