Yash Jain

Software Engineer | Gurugram, India

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Professional Summary

Python Backend Developer with 3+ years of experience building scalable, secure, data-intensive web applications with **Django, DRF, and FastAPI**. Strong in REST API design, **PostgreSQL/MySQL** optimization, async processing (**Celery, Redis**), and cloud deployment (**AWS, Docker, CI/CD**). Known for improving API performance and shipping well-tested, production-ready code in Agile teams.

Technical Skills

Languages Python, SQL, Bash, C++
Frameworks & API's: Django, FastAPI, Flask, REST APIs, Webhooks, Microservices
Databases & Messaging: PostgreSQL, MySQL, Redis, InfluxDB, Django ORM, Celery, MQTT
Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Linux, Git, GitHub Actions, CI/CD, Grafana, Prometheus
Testing & AI: Pytest, TDD, Agile/Scrum, LLMs, RAG, LangChain, Vector Databases

Professional Experience

Software Development Engineer **Aug 2024 – Sept 2026**
Onemind Services LLC *Gurugram, India*

- Engineered scalable **webhook and alert systems** for an IoT platform using **Python, FastAPI, MQTT, and InfluxDB**, leveraging asynchronous processing, modular architecture, and robust error handling & logging, improving real-time communication by **40%**.
- Built monitoring dashboards with **Recharts** and implemented background and scheduled tasks using **Celery with Redis** to process telemetry data, run alert checks, and sync controller data.
- Worked in an **Agile/Scrum** environment, participating in daily stand-ups, sprint planning, and retrospectives to deliver backend features efficiently.

Junior Backend Developer **Sept 2023 – Jul 2024**
Sehaj Synergy Tech Pvt. Ltd. *Jaipur, India*

- Designed and developed **RESTful APIs** using **Django REST Framework**, migrating template-based views to scalable backend services, and reducing latency by **25%**.
- Integrated a **payment gateway** for prepaid water meter recharges and developed the recharge processing and **invoice generation** based on prepaid usage.
- Optimized **Django ORM** queries and API endpoints to efficiently process and retrieve high-volume IoT data.
- Enhanced code reliability by writing over **500+ Pytest unit tests** with **100% coverage** and maintained version control with **Git** workflows.

Projects

Smart Water Metering Application | *Python, Django, PostgreSQL*

- Created a prepaid smart water metering platform with **Django REST Framework** to allow real-time monitoring of consumption and automated billing for users.
- Implemented dashboard visualization, automated invoice generation, and household registration management system to streamline the entire metering process.
- Designed a normalized **PostgreSQL** schema to handle high-frequency meter readings across multiple households, optimizing query performance for real-time usage tracking and billing calculations.
- Built RESTful APIs with **role-based access control** to support different user types (admin, household), securing meter data and limiting billing actions based on role.

Education

Jaipur Engineering College and Research Center **Aug 2019 – Aug 2023**
Bachelor of Technology *CGPA: 8.2*

Certifications

IBM (Coursera): Develop Generative AI Applications: Get Started
Udemy: Django, FastAPI, Docker, GitHub Actions, Git & GitHub, Unit Testing & TDD