

Ishita Gandotra

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Summary

Backend Developer proficient in building scalable, high-performance applications using Python and Django. Skilled in designing RESTful APIs, microservices, and working with SQL/NoSQL databases like MongoDB. Experienced with Apache Kafka for event-driven architectures, Redis caching for efficient search solutions. Focused on writing clean, maintainable code and optimizing system performance to deliver robust backend services aligned with business goals. Committed to continuous learning and innovation in backend technologies.

Experience

Otipy (Crofarm Agriproducts Pvt. Ltd.)

Jun 2024 – Present

Software Developer

Gurgaon, India

- **ATS Platform Development:** Spearheaded the development of an **ATS platform** for company hiring and integrated **LinkedIn's public API** to automate job postings, enhancing recruitment efficiency and expanding job reach.
- **Quick Commerce Backend Optimization:** Revamped backend systems for the **Quick Commerce** platform using **Python, Django**, and Django REST Framework, scaling operations from D+1 to instant deliveries with 150+ daily orders from launch.
- Engineered real-time inventory tracking system leveraging **Apache Kafka** for stream processing, enabling microservices to communicate asynchronously and reducing order fulfillment latency by 15% during peak hours.
- **Inventory API Development:** Crafted 4+ core **Inventory Management APIs** (Putaway, Cycle Count, Wastage, Shrinkage), boosting warehouse accuracy by 30% and cutting manual reconciliation time by 40%.
- Enhanced API performance using Redis caching, asynchronous processing, and strategies like pagination, **query optimization**. Ensured scalability via denormalization, and **indexing**.
- **Picker Shift Management System:** Designed and deployed a scalable shift management module leveraging **Redis** for real-time pooling and **Kafka** for asynchronous order dispatch, supported by **MySQL** for reliable data persistence – driving a 20% increase in allocation efficiency.
- **Inventory Workflow Optimization:** Redesigned inventory workflows using **Spring Boot** by implementing a synchronous system, resulting in a **30% increase in inventory accuracy**.

Otipy (Crofarm Agriproducts Pvt. Ltd.)

Jan 2024 – Jun 2024

Software Developer Intern

Gurgaon, India

- **Membership System Development:** Architected a scalable backend architecture for a tiered membership system using the **Factory Design Pattern** in Python; integrated **Kafka** for asynchronous service communication, leading to a 15% increase in user retention.
- **Subscription Automation:** Automated subscription order generation for 10K+ daily orders using scheduled **cron jobs**, achieving >99% accuracy and reducing manual intervention, thereby boosting operational efficiency.
- **Cross-functional Coordination:** Orchestrated backend-QA collaboration during platform launch, aligning with 5+ testers to ensure a 99% bug-free release and reducing post-launch issues by 20%.
- **Membership Comms Automation:** Automated membership expiry reminders via WhatsApp using scheduled jobs, triggering personalized messages at 3, 2, and 1-day intervals before expiration—boosting renewal rates and reducing churn.

Education

Chitkara University

Bachelor of Engineering in Computer Science

Shivalik Sr. Sec. School

Class XII (Science Stream)

Aug 2020 – May 2024

Punjab, India

Apr 2018 – May 2020

Punjab, India

Skills

Languages: Python, Java

Framework: Django, SpringBoot, Spring MVC, Hibernate (JPA)

Databases: MySQL, MongoDB

Cache: Redis

Infrastructure and Deployment: Gunicorn, Nginx, Linux, AWS VPC

Task Queue: Celery

Pub-Sub: Apache Kafka

Version Control: Git/GitHub

Testing Tools: Postman, Selenium, JMeter, JUnit