ABHIJEET GUPTA

Backend Engineer — Expert in Django, RabbitMQ, and Scalable Systems

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Education

Masters in Computer Application   June 2018 - Jun 2021
Madan Mohan Malaviya University Gorakhpur   *CGPA: 7.69/10*

Professional Experience

SDE-2 Supersourcing - Project MOB B2B Startup Same-Day Construction Material Delivery

- Optimized Search: Reduced query time by **35%** by implementing Elasticsearch for over **1 million SKUs.**
- Performance Optimization: Reduced system **latency by 20%** through RabbitMQ task queuing and improved communication between services.
- API Integration: Designed and implemented **complex business logic**, including e-commerce checkout funnels, and integrated APIs using **Django** and **RabbitMQ** for efficient, asynchronous task handling.
- LLM Integration: Integrated an LLM model to create a chatbot (LLMa), enhancing user interaction and providing intelligent responses.
- Full-Stack Contributions: Developed frontend components using **ReactJS**, including API integration and UI/UX design.
- Database Management: Designed robust **database schemas** to support high-transaction environments, ensuring **scalability** and **performance**.
- Microservices Architecture: Created **microservice architecture** to handle multiple concurrent requests efficiently, improving system reliability and scalability.
- View the project at **[MOB](#)** and **[MOB Partner](#)**

Software Engineer- Supersourcing(Project INQ, Africa)   May 2021 - Jul 2023
- System Enhancements: Automated workflows with **Selenium web scrapers**, reducing manual effort by **40%**.
- API Development: Developed and maintained multiple APIs for an omni-channel platform used across five African countries, including **Nigeria**, **Botswana**, and **Zambia** etc.
- Billing Integration: Integrated third-party billing systems such as **Globill** and **Iperbill**, and created a **PDF engine** for generating billing documents.
- Database and Search Optimization: Improved search efficiency for large datasets by 30% using Elasticsearch and Kibana.
- Deployment and Authentication: Deployed applications using **Docker** and implemented user authentication and authorization with **Keycloak**.
- Project Link   View the project at **[inq.inc](#)**.

Software Engineer Intern- CognoAI   January 2021 - May 2021
- API Development: Developed backend APIs for various projects, including **Kotak Bank**, implementing robust functionality for secure financial transactions.
- Chatbot Creation: Designed and deployed **chatbots** for multiple clients, enhancing customer interaction and support capabilities.
- Online Testing Platform: Created an online testing platform named **Easy Step**, supporting MCQ, video, audio, and detailed formats.
- Real-Time File Upload: Implemented **WebSockets** for real-time file uploads, enabling immediate storage and display on the UI.

Technical Skills

Programming Languages: Python, Java, JavaScript, C++.

Tools & Frameworks: Django, Django Rest Framework, Elasticsearch, Kafka, Celery, Websockets, Docker, Redis, Git, RabbitMQ, LLM Models (LLama,Groq)

Data Handling: Numpy, Data Structures & Algorithms.

Additional Skills: Real-time Data Processing, API Design, System Architecture, AWS,GCP.

Academic Accomplishments & Extracurricular

* YouTube Subscribers   Grew channel to **100k+** subscribers, teaching programming and advanced backend topics.
* Instagram Followers   Gained **150k+** followers in the coding niche, sharing programming insights and tutorials.
* Freelance Experience   Worked as a freelancer during college, handling various backend development projects and delivering tailored solutions.