Himanshu Chaudhary

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Summary

Backend Software Engineer with 4+ years of experience building scalable, distributed, and high-performance backend systems for large-scale consumer platforms. Strong background in microservices architecture, REST APIs, cloud-native development, system design, and data pipelines. Proven success in reducing operational costs, improving onboarding time, and automating business workflows. Proficient in Python, Java, SQL, AWS, Kafka, DynamoDB, Docker, Kubernetes, and Generative AI solutions based on Large Language Models.

Experience

Wayfair **April 2023 – Present**
Software Engineer II *Bangalore, Karnataka*

- Implemented a **Lane Management System** optimizing routing decisions across **50–70 operational, cost, and performance parameters**, **reducing fulfillment costs by 20%** and **improving delivery SLA adherence by 15%**.
- Developed an **AI-powered analytics assistant** that converts **natural language queries into optimized SQL**, increasing **self-service analytics usage** and **reducing ad-hoc data request turnaround time by 30%**.
- Built a **high-throughput monitoring and insights platform** processing **50,000+ events per minute** with **distributed microservices**, enabling **real-time observability** and **cutting incident triage time from hours to minutes**.
- Modernized the **label printing platform** to support **100 labels per second** with **low latency and high availability**, and introduced **automated unit, integration, and end-to-end testing pipelines**, improving **release stability**.
- Created a **unified label printing API** to standardize integrations across **multiple clients**, **reducing onboarding time from 1–2 months to 3 weeks**, and enforcing **secure PII data handling** with **access control and compliance practices**.
- Designed and scaled a **multi-tenant, cloud-based AI workflow orchestration platform**, transforming a **local single-user tool** into a **distributed backend system** with **asynchronous execution**, **real-time observability**, and **context-aware orchestration**, significantly improving **developer productivity** and enabling **reliable automation** for **bug analysis**, **test generation**, and **code intelligence**.

Amazon **July 2022 – March 2023**
SDE 1 *Bangalore, Karnataka*

- Built an **automated customer migration pipeline** to transition **1M+ users** between marketplaces with **high data consistency** and **zero manual intervention**.
- Migrated **core backend services** from a **legacy architecture** to a **modern scalable design**, lowering **infrastructure and maintenance costs by 50%** while improving **system reliability and performance**.

Education

National Institute of Technology Warangal (NITW) **Graduated: 2022**
Master of Computer Applications (MCA) *Telangana, India*
University of Delhi (DU) **Graduated: 2019**
BSc (H) Computer Science *Delhi, India*

Technical Skills

Languages: Python, Java, C++, JavaScript, SQL
Developer Tools: VS Code, IntelliJ, AWS, Kafka, DynamoDB, Lambda, Cloud Functions
Technologies: Spring Boot, Django, Flask, Docker, Kubernetes, Microservices, System Design, REST APIs, Distributed Systems, Data Pipelines, Observability, Performance Optimization, Security, Generative AI, Large Language Models