

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

Software Engineer II

April 2023 – Present

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

SDE 1

July 2022 – March 2023

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**.
- Designed a **centralized reporting and visualization system (FAST UI)** consolidating **1,500+ business and performance metrics** into a **single executive dashboard**, reducing **manual reporting effort** and enabling **faster data-driven decisions** for program and product managers.
- Built **scalable backend data pipelines and feature engineering workflows** processing **large-scale customer behavior data** (clickstream, watch history, transactions) to support the **Amazon Prime recommendation engine**, improving **model input quality, inference scalability, and recommendation accuracy**.

Mobology Communications

Software Engineer

January 2021 – June 2022

Faridabad, Haryana

- Developed **scalable backend profiling and campaign management services** using **microservices architecture**, driving **analytics pipelines** for **data ingestion, aggregation, and KPI computation**, and improving **system scalability, data consistency, and reporting accuracy** for publisher and campaign operations.
- Built **scalable backend systems** and integrated **frontend analytics dashboards** to track **CAC, LTV, campaign spend, and optimization metrics** on a **single unified platform**, enabling **data-driven decision-making** and **operational cost optimization**.

Education

National Institute of Technology Warangal (NITW)

Master of Computer Applications (MCA)

Graduated: 2022

Telangana, India

University of Delhi (DU)

BSc (H) Computer Science

Graduated: 2019

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