

Aman Garg

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EDUCATION

Birla Institute of Technology and Science Pilani

B.E. in Computer Science & M.Sc. in Mathematics

Pilani, Rajasthan

Aug 2016 – Jul 2021

SKILLS & EXPOSURE

Java, Spring Boot, Kubernetes, CI/CD, Azure SQL, Azure Cosmos NoSQL, Apache Kafka, Apache Airflow, Apache Spark, Git, Maven, Junit, Mockito, TDD, Jenkins, Sonar, IntelliJ, Data Structures, Microservices, System Design, OOP

WORK EXPERIENCE

Walmart Global Tech India

Software Engineer 3

Bengaluru

Aug 2023 – Present

- Designed, developed, and deployed **scalable backend services** for Walmart Fulfillment Services Team, facilitating the adoption of Walmart's **Supply Chain as a Service** to drive a **\$5 billion USD increase** in GMV by 2025 in Canada and Mexico
- Developed **highly scalable Kafka consumers** to process **1 billion daily inventory updates** with **low latency, high availability**, and **idempotency** through optimized pod usage, pre-deserialization filtering, multi-cluster deployments, and error reprocessing
- Developed a **multi-tenant CI/CD pipeline** for multi-module Spring Boot projects using **Jenkins and Kubernetes**. Implemented the **adapter design pattern** to enable tenant-agnostic features to support multiple markets with separate VM clusters, databases, and app configs
- Led a team of 5** to deliver a new payment feature enabling seller discounts on 10 fee types, generating approximately **\$60 million USD** annually. Developed a new dashboard for **dynamic discount management** based on seller profiles and item attributes, significantly increasing seller **retention and satisfaction**
- Reduced the team's **KTLO bandwidth** from **30% to 15%** by implementing **alerts** for the top 3 recurring issues and **automating manual workflows** with utilities. Improved the **L1 team's productivity** by addressing **documentation gaps** to fast-track the resolution of trivial issues

Software Engineer 2

Jul 2021 – Jul 2023

- Saved the cost of packaging 2.6 million units** per year per FC. Improved cartonization logic used in warehouses by minimizing the number of boxes needed to pack the items
- Built a secure, **automated file processing system** using Spark jobs, Apache Airflow, and Azure Cosmos DB for handling third-party vendor invoices. Integrated **error handling and alerting**, increasing revenue by **\$300K in 6 months** through 2 new revenue streams
- Mentored** 2 interns to secure full-time roles, actively participated in campus hiring drives, fostered team collaboration through **hackathons**, event organization, and newsletter publications

Software Engineer Intern

May 2020 – Jun 2020

- Resolved **5 production bugs**, implemented a **GraphQL** Get Order Details API for **dynamic queries**, and built a Spring Boot **cron scheduler** to automate outdated order status updates, enhancing system efficiency and client flexibility

PROJECTS

Online Shopping Assistant | *Python, Open AI, Generative AI, Machine Learning*

[GitHub/Demo link](#)

- Led a team of 4 to create a **GenAI-powered voice assistant** for an e-commerce company using ChatGPT APIs at a **hackathon**
- Enabled users to use voice commands to perform actions like **search for ingredients**, get user sentiments, return/replace orders, and FAQs

Instagram Bot | *Python, Selenium, Web scraping, Automation*

[GitHub link](#)

- Built an Instagram Automation Bot using Python and Selenium. Automated login, engagement tracking, and hashtag analysis, leveraging web scraping to build an influencer database for industry trend analysis