

ARHANT JAIN

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An experienced IT professional with a strong interest in Backend Engineering, having around 3 years of experience in the industry.

PROFESSIONAL EXPERIENCE

Walmart Global Tech India (CA-One)

Bangalore, India

We're a tech powerhouse that innovates for the world's largest retailer - Walmart.

Software Developer

October, 2023 – Present

- Working with the Returns Application Platform (RAP) team to revolutionize the omnichannel returns experience by addressing specific use cases i.e. lost, delayed, & undelivered items in transit. Leveraging Java and Spring Boot, I designed and implemented robust solutions to streamline processes and enhance customer satisfaction. Lost, Late, and Undelivered refunds and replacements are 25% of total returns for Walmart, totalling \$394M (FY22 through Wk 44).

EdgeVerve

Bangalore, India

Revolutionizing the supply chain with maximum visibility, trusted by Fortune 500 brands with \$100bn+ annual sales.

Member of Technical Staff

August, 2021 – August, 2023

- Majorly Responsible for the design and development of backend & frontend services, code security, and performance enhancement of web applications in Java/J2EE Technologies.
- Developed a robust, multi-threaded file aggregator designed to efficiently group and process diverse file types, including CSV, XML, and JSON. This design improved end-user performance by 90%.
- Designed and implemented a comprehensive system that not only checks the connectivity of the monitoring service with Java messaging queues but also automatically initiates the service if a connection failure is detected.
- Drove significant improvements in code quality and reliability by creating comprehensive JUnit test cases, ultimately increasing overall code coverage from 60% to an impressive 97%.

EDUCATION

IIIT-Hyderabad

Hyderabad, India

B.tech + MS

July, 2016 – May, 2021

- GPA (Hons):** 9.25/10
- Relevant Courses:** AI Prompt Engineering, Statistical Methods in AI (ML), Operating Systems, Database Management System, Data Structures and Algorithms, Computer Networks, Object-Oriented Programming.

SKILLS

Skills: Java (Certified), Spring Boot, Apache Camel, C, C++, Algorithms, Data Structures, OOPS, SQL, DBMS, Multithreading, System Design, ActiveMq, Postgres, Systems development life cycle, HTML, CSS, Bootstrap

PROJECTS

Multi-threaded Aggregator

JAVA, OOPS, Multithreading, System Design

- Developed a multi-threaded aggregator to group a large number of similar files together. The functionality was designed to work with all file types, including CSV, XML, and JSON.
- This was one of the most prominent and noticeable features of our release at Edgeverve. I was awarded with the Stellar Award for successfully rolling out this feature to 9 live locations.

Multi-tenant File Processing Accelerator

JAVA, Microservices, System Design

- Developed tenant-specific messaging queues that allow users to concurrently process files via different tenants, thereby speeding up file processing.
- Utilized Object-Oriented Programming principles to implement the multi-tenant architecture. This design resulted in a remarkable 33% acceleration of client processing.

Mini SQL Engine

Python, DBMS, OOPS

- Mini SQL Engine was designed to run a subset of SQL queries using the command line interface. The whole project was coded using object-oriented programming.

Speeding Post-Stroke Rehabilitation

Research Project, Thesis, Data Analysis

- Conducted in-depth research on EEG signals to enhance post-stroke rehabilitation by identifying correlations between motor movements and inactive brain regions.
- Implemented a comprehensive pre-processing pipeline to efficiently clean, process, and analyze complex EEG signals, contributing to more accurate insights for rehabilitation efforts.

ACHIEVEMENTS

- Published a research journal in Elsevier. Elsevier is one of the most prestigious international journals and has one of the highest impact factors in the field. [[Link](#) to Paper]
- Won the **Stellar Award** for outstanding contribution in the team's performance at Edgeverve.
- Selected in the Dean's Merit List for excellent academic performance and ranking among the top 5% of my batch at IIIT-H.