ARHANT JAIN

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

PROFESSIONAL EXPERIENCE

Walmart Global Tech India **Bangalore, India**

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

Software Engineer *October, 2023 – Present*

- Engineered a monitoring service for Walmart's Yard Management System (YMS) to track gate-in/gate-out events for trucks, enhancing seller visibility into customer returns across the supply chain. Led the end-to-end development of the service including unit tests, resolved SonarQube issues, and built Grafana dashboards for real-time performance insights.
- Designed and developed the cancel return flow for Multichannel Solutions (MCS), significantly enhancing return logistics for sellers, driving a Cost to Serve reduction, and contributing $1.2M in profit. Integrated APIs for seamless return processing of Walmart Fulfilled Orders, while scaling to meet Enterprise Client requirements. Additionally, led efforts in automation regression testing, mock order creation, and designed the Splunk and Grafana dashboards for monitoring API performance.
- Collaborated with the Returns Application Platform (RAP) team to enhance customer satisfaction by automating the recovery process for products marked as 'Lost', 'Late', or 'Undelivered' but eventually delivered. Leveraging Java and Spring Boot, developed a system to detect and resolve these cases automatically, reducing the need for manual intervention. This innovation addressed 25% of Walmart's total returns, valued at $394M (FY22 through Wk 44), significantly improving the omnichannel returns experience.

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*

- Led the design and development efforts for backend and frontend services, focusing on code security, and implementing performance enhancements for web applications using 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%.

SKILLS

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

EDUCATION

IIIT-Hyderabad **Hyderabad, India**

B.tech + MS *July, 2016 – May, 2021*

- **CGPA (Hons):** 7.81/10
- **Relevant Courses:** Statistical Methods in AI (ML), Operating Systems, Database Management System, Data Structures and Algorithms, Computer Networks, Intro to Object-Oriented Programming.

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.

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.