**Work Experience**

1. I worked in LTIMindtree, Pune from Oct 2021 to Sept 2023 as Software engineer.

Previously Worked On:

* Project Name: Media Bus 4.0
* Client: Paramount
* Language: Java 8 And Python
* Framework: Spring Boot , JPA
* AWS, Rabbit Mq
* Confluence, Servicenow

# Description:

Mediabus 4.0 is a media asset management system used by Paramount to manage, store, process, and distribute multimedia content across various platforms. As part of the production support team, my role involved maintaining system stability, resolving production issues, and ensuring the smooth operation of the platform, which handles large volumes of digital media assets.



# Key Responsibilities:

 Provided L2 production support for the Mediabus 4.0 platform, handling issues related to system performance, media processing failures, and file distribution delays.

 Debugged and resolved issues in Java 8 codebase, ensuring the system remained operational with minimal downtime.

 Monitored system logs, diagnosed errors, and applied quick fixes for RESTful APIs used for media asset retrieval and metadata management.

 Worked closely with the development team to identify root causes of recurring issues and provided fixes or recommendations for bug resolution and performance improvements.

 Assisted in incident management (ServiceNow), including identifying, troubleshooting, and resolving urgent production issues that impacted media delivery and content processing.

 Collaborated with cross-functional teams to address critical issues and optimize application performance, resulting in increased customer satisfaction and reduced downtime.

 Performed data validation and troubleshooting of media assets using SQL queries to retrieve and analyze records in the MySQL database.

 Implemented automated monitoring scripts to alert the team in case of critical failures or performance degradations.

Provided end-user support and training for internal teams to ensure proper use of the application features and functionalities.



1. Worked in Centre for Development of Advanced Computing (CDAC) R&D, Noida from May 2019 to Aug 2021 as Project Associate.

Previously Worked On:

* Project Name: Drug Vaccine Distribution Management System
* Client: Medical Stores Organization, New Delhi (Ministry of Health & Family Welfare)
* Language: Java 8 And JavaScript
* Framework: Spring MVC, Hibernate
* Frontend: HTML, CSS And Bootstrap
* Database: Postgresql

# Description:

The Drug Vaccine Distribution Management System was developed to streamline and manage the distribution of vaccines and other critical medical supplies across the country. The system ensures efficient tracking, storage, and delivery of vaccines from central warehouses to regional distribution centers and health facilities. It also helps monitor stock levels and automates the allocation and dispatch processes to reduce manual intervention and improve transparency.



# Key Responsibilities:

 Designed and developed core modules of the system using Java, Spring Boot, and Hibernate for a robust and scalable backend.

Integrated role-based access control to ensure data privacy and security, limiting access to sensitive information based on user roles.

Worked on the inventory management module, which tracked vaccine batches, expiration dates, and storage conditions, ensuring vaccines were dispatched promptly and efficiently.

Used MySQL as the database to store large amounts of data and wrote complex SQL queries to generate reports on stock levels, distribution history, and demand forecasting.

Collaborated with cross-functional teams to ensure smooth deployment and operations and coordinated with the QA team to perform testing and resolve issues.

Developed a dashboard for real-time tracking of vaccine distribution, allowing government officials to monitor vaccine stocks, transportation timelines, and delivery status.

Responsible for creating and modifying PL/SQL Database.

Challenge: In a previous project, we encountered a significant performance issue with our DVDMS application. The application was experiencing slow response times and frequent crashes under high user load.

Impact: This performance bottleneck was affecting user experience and risking customer satisfaction, which could have led to a loss of clients.

Actions: I took the following steps to address the issue:

Identified the Problem: Conducted a thorough analysis of memory leaks and CPU usage hotspots.

Optimized Code: Refactored inefficient code segments, optimized database queries, and implemented caching mechanisms to reduce load times.

Load Testing: Set up a series of load tests using Apache JMeter to simulate high user traffic and ensure the application could handle peak loads.

Collaborated with Team: Worked closely with the QA team to continuously test and monitor the application, ensuring all changes led to performance improvements.

Outcome: As a result of these efforts, the application’s performance improved significantly, with response times reduced by 50% and stability under high load conditions greatly enhanced. This not only improved user satisfaction but also reinforced our client’s trust in our ability to deliver robust solutions. The experience taught me the importance of proactive performance monitoring and the value of teamwork in solving complex technical challenges.