

EXPERIENCE

- **Apisero** Bangalore, India
Senior Software Engineer *March 2023 - Present*
 - **Ecommerce Microservices:** Developed scalable microservices architecture & implementation, core microservices are:-
 1. **Sale Tax Calculation**, CreateTransaction, CommitTransaction, VoidTransaction, RefundTransaction, CreateCertificates, CreateCustomers.
 2. **Shipment**, Cartonization Algorithm, LTL and Parcel rate comparison, User Address Validation, Return Label Generation.
 3. **Warehouse Management**, AccountData, UserData, OrderCreation, OrderUpdation, ReturnCreation, ACH Payment, Credit Card Payment Methods.
 4. **Inventory Management**, InventoryDataCreation, InventoryDataUpdation, Time based Scheduler jobs
 - **Caching Mechanism:** Developed universal caching mechanism which significantly reduce the batch job processing time from **30 minutes to 30 seconds**. Deployed this as a REST api so that it can take request from other end system as well thus improving the overall performance of the integration.
 - **Batch Processing:** Developed batch processing REST api to handle thousands of records. Some of the key highlight is to check the validity of each URL, storing valid as well as invalid URL on a csv located in the SFTP server while maintaining **100% accuracy**.
 - **Architecture Development:** Developed mircorservice architecture to handle requests from different end system as well as to ensure scalability as well as reusability of the APIs. As a result, API developed on this architecture are **10x time** faster as well as **more reusable** than previous architecture.
 - **CI/CD Pipeline Development:** Developed Gitlab as well as Github pipeline from scratch, the pipeline job is to accelerate the process of building the maven project, checking the test coverage and to trigger deployment.
- **Apisero** Chandigarh, India
Software Engineer *April 2021 - February 2023*
 - **REST API Development:** Developed REST web API to migrate data from legacy end system to Salesforce Object. As a result, it is able to successfully migrate all records **without losing any record**.
 - **Salesforce Microservice Development:** Developed a REST API between Salesforce and the spring application which as a result created the bridge to share the resources between 2 integration seamlessly. As a result of this integration, the total time reduced to **10X times** as compared to previous integration.
 - **Error Handling:** Setup the fault tolerance mechanism as well as health check for the end system to handle the errors which eventually dropped the **error rate from 25% to 5%**. One of the requirement is to ensure Zero downtime so we have used Load Balancer to route the traffic as per the number of request received by the application
 - **Alert Notification System:** Developed the Asynchronous notification system with Slack REST API using OATH2.0. As a result, at the time of alert it is able to make async calls to slack system without increasing the integration overall time one of the highlight that I was able to achieve **latency to 0%**.

TECHNICAL SKILLS

- **Languages:** Java, J2EE, SQL
- **Frameworks/Database:** Spring Boot, Spring, Hibernate, MySQL
- **Knowledge/Hands-on:** Data Structures and Algorithms, High Level Design, Low Level Design, Unit Testing(JUNIT), Microservices, REST, OOPS, GIT, CI/CD, Asynchronous Request Handling
- **Tools:** Eclipse, Spring Tool Suite, Visual Studio Code, Maven, Postman

PROJECTS

- **Microsoft Graph Optimization:** Developed microservice architecture as well as source code to transfer files over 250mb to the Microsoft Sharepoint API which as a result **overcomes the limit** of sending small files. Worked on **Email notification** chain using Outlook API to send the error as well as success response to the user.

EDUCATION

- **Chandigarh University** Mohali, India
Bachelor of Engineering in Computer Science *Aug. 2017 - July. 2021*