

EXPERIENCE

FULL STACK DEVELOPER

OPTUM GLOBAL SOLUTIONS (INDIA) PVT.

July 2021 - Present

- Worked on various **User Facing Services**, like **Authentication and Authorization** for different **health services**. Also worked on **Admin Facing Applications** for proper **monitoring of user events**.
- Worked on the backend(**mostly, java with Spring Boot**). Production Monitoring using tools such as **Splunk**. Worked on **JUnit5** for testing and **Swagger** for **Api documentation**.
- Gained experience in creating microservices using **Spring Boot and Webflux**, and frontend using **React and NextJs**. Learned the usage of different databases for different use cases.
- Used **Kafka** to communicate to external services. Learned the various concepts of **interactions** between microservices and using **Circuit Breaker** for handling failures.
- Used **ReactJS**, **hook based design** for lightweight frontend. Used **Redux Toolkit** for global state management. Used **Tailwind CSS** to make a good looking UI.
- Collaborated with the team members and worked on lots of new technologies. Got to learn various interpersonal skills. Improved my communication, presentation skills.

FULL STACK DEVELOPER

FOXmula BY INVERSION CONSULTANCY LLP

August 2020 - May 2021

- Responsible for developing a **Smart Scooter Booking Android App**. The user can register with their phone number in the app and book the scooter, whose location is shown with **Google Maps API**. The **unlocking of the scooter** is done using the **BluetoothLowEnergy API**.

ANDROID APP DEVELOPER

TRESMOTO (INTERNSHIP DURING B.TECH)

May 2019 - July 2019

- Responsible for developing a **Smart Scooter Booking Android App**. The user can register with their phone number in the app and book the scooter, whose location is shown with **Google Maps API**. The **unlocking of the scooter** is done using the **BluetoothLowEnergy API**.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES	Java, JavaScript, TypeScript, Python, Kotlin, C++
DATA STRUCTURES	Linked List, Stacks, Queues, Tree, Binary Search Tree, Arrays, Dynamic Programming, Tries
WEB DEVELOPMENT	Spring Boot, Spring Webflux, NodeJs, JavaScript, ExpressJs, TypeScript, ReactJs, NextJs, Tailwind Css, HTML, CSS
CLOUD COMPUTING	Amazon Web Services, SAAS, CAAS, IAAS, PAAS
DEVOPS	Linux, Docker, Kubernetes, CI/CD, Git, Jenkins
DATABASES	DBMS, SQL, NO-SQL, Mongo
FRAMEWORKS	IntelliJ, VS Code, Eclipse

GITHUB LINK, DOCKER LINK AND CODING PROFILE

- GitHub Profile: <https://github.com/sachetwasti1997>,
- Docker Registry: <https://hub.docker.com/u/sachetwasti61>
- LeetCode Profile: https://leetcode.com/sachet_wasti/

OTHER SKILLS

COMPETITIVE PROGRAMMING	Java/Python/Kotlin/C++, Data Structures (Intermediate)
ANDROID APP DEVELOPMENT	Kotlin, Java, Flutter
MANAGEMENT	Knowledge Sharing (new recruits), Team Collaboration, Product Ownership

PROJECTS

ITEMS ORDERING/SELLING SYSTEM MICROSERVICES

- Developed a **goods ordering and selling system** using **microservices architecture** with **Spring Boot** for backend services and **ReactJS** for the frontend. The project aimed to streamline the process of **ordering and selling goods** from individuals and improve user experience.
- Additionally, set up a **Kubernetes cluster** to **deploy** and **manage** the microservices efficiently.
- Technologies Used:
 - Microservices Architecture with **Spring Cloud**.
 - Java17, Spring Data MongoDB.
 - **Kubernetes** for **container orchestration**
 - **ReactJS** for frontend, **Redux** for state management
 - **Apache Kafka** for **communication** between microservices
 - **Redis** for **caching** and **storing** expiration time for **Orders**, in a separate microservice
 - **Amazon S3** for data storage
 - **Stripe** for **payment processing**
- **Designed** and implemented microservices using **Spring Boot** and **Spring Data MongoDB**, adhering to the **database per microservice** pattern. Implemented **Amazon S3** to efficiently **store** and manage **user-uploaded** images and files related to Goods.
- Implemented **Stripe** for secure payment processing, enabling users to make **seamless transactions**.
- Established communication between microservices using **Apache Kafka**, ensuring real-time **updates** and **responsiveness**. Utilized **Redis** to **cache** and **manage expiration time** for orders, optimizing data retrieval and order processing.
- Configured the **API gateway** for handling **authentication** and **authorisation** in other microservices wherever required. **Orchestrated** the deployment of microservices on the **Kubernetes cluster**.
- Developed the frontend application in **ReactJS** for users to **browse goods** and **place orders**. Integrated services to store user info, goods, orders related data and payment info.
- Github URLs: [InventoryService](#), [PaymentService](#), [OrderService](#), [CloudGateway](#), [ExpirationService](#), [AuthService](#), [UI](#)

TICKET BOOKING/SELLING PLATFORM

- Scalable Application build using NodeJs microservices written in **Typescript** and frontend in **React Js**. **Dockerized** applications and scaled using **Kubernetes**.
- Learned **patterns to create scalable microservices** for a variety of app domains. Created a **Common Logic Middleware** by **publishing** it to **NPM**, so that the similar logics can be used across different microservices.
- Used **async** messaging for **communication** across different microservices. Used **Jet NATS Streaming Server** as **Event Bus**. Send **consistently structured responses** from different API's.
- Configured and scaled all the services using **Kubernetes Deployments**. Limited the access to the APIs using JWT-based authentication.
- Github URLs: [OrderService](#), [ExpirationService](#), [PaymentService](#), [TicketsService](#), [AuthService](#), [CommonLogicMiddleware](#), [NodeClient](#)

ACHIEVEMENTS

- Collaborated with the team members to optimize the React Application and use newer trends in the application while working in Optum.
- Helped the new recruits to gain functional knowledge of the systems built in Optum and helped them to understand the technologies used.