

Anupam Guin

Full Stack Java Developer

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EDUCATION

- Templecity Institute of Technology & Engineering** Bhubaneswar, Odisha, India
Bachelor of Technology - Computer Science Engineering; CGPA: 8.27
July 2018 - June 2022

SKILLS SUMMARY

- Languages:** Java 21, C
- Backend:** Spring Boot, Microservices Architecture, Spring Cloud, Spring Security, Spring Webflux, Apache Kafka, JPA, Spring MVC, RestFul API, J2EE (Servlets & JSP)
- Frontend:** React JS, Redux, Webpack, JavaScript, ES6, Microfrontends Architectures, Progressive Web App (PWA), HTML, CSS, Bootstrap, Google Map API, Leaflet, Highcharts, Fusion Charts
- Tools:** Kubernetes, Docker, SonarQube, Jenkins, GIT, Linux, Maven
- Platforms:** AWS, PostgreSQL, Redis, Nginx
- Soft Skills:** Leadership, Software Development, Event Management, Troubleshooting, Debugging

EXPERIENCE

- eTrans Solutions** Kolkata, India
Full Stack Java Developer
July 2021 - Present
 - Microservices Architecture:** Architects and optimized a scalable fault tolerance Microservices architecture using Spring Cloud Gateway, Eureka, RabbitMQ, and Spring Security with JWT, OAuth2. Achieved **30%** improvement in System Performance and **25%** faster deployment cycles.
 - Microfrontend Architecture:** Led the design and implementation using React.js, Webpack 5 & boosting, scalability, modularity, and maintainability by enabling independent deployment, developer autonomy by dependency & component sharing and optimized performance through Caching, Compression (gzip, **Brotli**), allowing for offline uses by **PWA**.
 - Performance Optimization:** Implemented **Distributed Caching**, Load Balancing, Proxy and Performance tuning techniques, resulting in a **40%** increase in application performance and a **20%** reduction in infrastructure costs.
 - DevOps:** Expertise in robust deployment automation using **CI/CD** pipelines with Jenkins, Docker Containerization, Kubernetes. Deployed applications seamlessly to Production ensuring consistency and efficient Scaling proficiency.
 - Security Implementation & Compliance:** Expertise in crafting secure authentication and authorization frameworks, reCaptcha, MFA, and utilizing encryption (AES, RSA, Data Masking). Experienced in **OWASP** security hardening, CSP, XSS protection, Brute force mitigation, **rate limiting**, and mitigating VAPT vulnerabilities.

PROJECTS

- VTrack System - Real estate System:** Engineered a comprehensive robust real estate system focusing on Analysis, administration, Payment processes etc. Leveraged Microservices with Spring Cloud and React JS that enhance user experience, system reliability, and security & improve operational efficiency by **20%**.
- Distributed Caching Mechanism :** It Supports Multiple Nodes with quick uses of Cache to decrease the database hits by 55% and improve the Performance. Tech - Spring Boot, Redis
- Legacy Systems Modernization - Micro-Frontend Design:** Spearheaded the development & deployment of micro-frontend architecture, allowing multiple teams to work independently while **plugging** features seamlessly. Improved performance with shared components & dependencies, caching, and compression (gzip/Brotli) that compressed file size by 47-78% and improved **latency** by 38%. Implemented Nginx as **reverse proxy** and PWA's for offline uses.
- Scheduled Rest API:** Implemented a Spring Boot Scheduler for automated GPS data transmission for 100K+ vehicles. Achieved **99.9%** uptime with **fault tolerance** by applying **resilience** patterns, improving data reliability through effective error handling, and ensuring high-performance data throughput with **minimal latency**.
- Vehicle Security Implement:** Developed solution for remotely locking trucks and disabling ignition in case of theft.
- Real-time Vehicle Tracking:** Architected and deployed a feature-rich real-time vehicle tracking solution with features like geofencing, Asset positioning, Trip Analysis, **Live Tracking on Google Maps**, and more. Implemented extensive features on Maps, delivering complex solutions with high performance using Data structures and algorithms.
- Stock Management System:** Optimized inventory management and streamlined business processes using Spring Boot and Microservices, managing millions of inventory items.

CERTIFICATION

- NPTEL:** Programming in Java conducted by IIT KGP - [link](#)
- Geeks for Geeks:** 11th Week DSA Workshop - [link](#)

HONORS AND AWARDS

- Awarded **Topper 1%** in **NPTEL Java** Examination conducted by **IIT Kharagpur** with **97%** Score - [link](#)
- Attended an Ethical Hacking workshop at IIT Kharagpur - [link](#)