Anupam Guin
Sr.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, **Kafka** JPA, Spring MVC, RestFul API, J2EE (Servlets & JSP)
- **Frontend:** **React JS**, Redux, **Webpack**, JavaScript, **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