Partha Sarathi Ghosh

Technical Architect | Full-Stack Developer

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Professional Summary

Results-driven Technical Architect & Full-Stack Engineer with 15+ years of experience designing and delivering enterprise applications across finance, telecom, and SaaS domains. Specialized in microservices, cloud-native architectures, and scalable full-stack platforms handling high-volume transactions and large user bases. Proven track record in leading cross-functional teams, driving system modernization and cloud migrations, and enforcing code quality, performance optimization, and security best practices. Passionate about building sustainable technology solutions and mentoring engineers to grow into strong architects.

Experience

Senior Software Engineer – Vonage
Apr 2022 – Present | London, UK (Remote)

- **Architected and delivered** the Vonage Customer Dashboard for enterprise clients with high availability.
- **Improved CI/CD pipelines** with Jenkins & GitHub Actions, cutting deployment time and improving reliability.
- **Led reviews & security assessments**, reducing vulnerabilities and improving quality (SonarQube-driven).

Associate Consultant / Technical Architect – TCS
Nov 2010 – Apr 2022 | Kolkata, India

- **Designed & implemented** insurance and banking platforms handling high-volume transactions.
- **Created seed projects** & reusable frameworks, reducing onboarding time significantly.
- **Led teams & mentored engineers** on system design and cloud migration best practices.
- **Performed performance tuning**, boosting throughput and reducing latency.
- Migrated legacy monoliths into microservices for scalability and maintainability.

Earlier Career – Developer Roles
2006 – 2010 | Kolkata, India

- Senior Software Engineer at **GeoTech Informatics**, developing GIS-based insurance applications and introducing unit testing practices.
- Software Developer at **Creationet Infosystem**, building reporting modules with Java Swing & Jasper Reports.
- Web Developer at **Sansoft India**, delivering client portals using PHP & CMS platforms (Joomla, Drupal, WordPress).

Core Competencies

Architecture & System Design
10+ years designing scalable microservices and distributed systems. Expert in HLD/LLD, UML, design patterns and domain-driven design (DDD).

Full-Stack Development
Deep experience with **Java (Spring Boot, Hibernate)** and **JavaScript (Angular, Vue, Node.js)**. Built and maintained production applications serving large user bases.

Cloud & DevOps
Hands-on with **AWS** and Spring Cloud (Eureka, Zuul, Config, Zipkin). CI/CD pipelines using Jenkins, JFrog, Maven, and Git/TFS for reliable deployments.

Security & Performance
Strong background in web security (XSS, CSRF, SQL Injection, DoS), vulnerability assessment, and performance tuning using SonarQube, Dynatrace, and BlackDuck.

Testing & Automation
Proficient in unit and integration testing frameworks: **JUnit, Mockito**, and automation tools such as Karma, Jasmine, Puppeteer, and Newman.

Database & Data Management
Experience designing schemas and optimizing queries for **Oracle, MySQL** and NoSQL (MongoDB, Cassandra) for high-throughput systems.

Certifications

- Oracle Certified Java Programmer (OCJP)
- Oracle Certified Web Component Developer (OCWCD)
- Edureka Certified Microservice Architect

Education

- **B.Tech in Information Technology** – West Bengal University of Technology, Kolkata (2006)