SUPUN GEETHANJANA JAYASINGHE

Associate Technical Lead | Full Stack Engineer

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PROFESSIONAL SUMMARY

Innovative Associate Technical Lead with over 5 years of experience architecting and scaling complex web applications in Healthcare, E-commerce, and Telco domains. Expert in modernizing legacy systems using the JavaScript ecosystem (React, Angular, Node.js) and Java Spring Boot microservices. Proven track record of leading technical teams, integrating AI-driven features (Copilots/LLMs), and optimizing system performance by up to 80%. Passionate about driving engineering excellence and product ownership.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Java 17, SQL, HTML5, CSS3.

- **Frontend:** Angular (v7–19), React, Next.js, RxJS, Angular Signals, Micro-Frontends.

- **Backend:** Node.js, Nest.js, Spring Boot, Spring Cloud, Hibernate, GraphQL, REST APIs, Apache Kafka.

- **Databases:** MySQL, PostgreSQL, Oracle, MongoDB, Firebase, Redis, Elasticsearch.

- **Healthcare Standards:** FHIR/HL7, OMOP, OpenEHR.

- **DevOps & Cloud:** Docker, Kubernetes, Jenkins, AWS (EC2, S3), Git, Kibana.

- **AI & Tooling:** GitHub Copilot, Claude, Windsurf, Code Rabbit, Google Antigravity

- **Professional Competencies:** Technical Leadership, Agile/Scrum, Architecture Design, Mentoring, Code Review.

PROFESSIONAL EXPERIENCE

Cloud Solutions International | Colombo, Sri Lanka

Associate Technical Lead | *Aug 2025 – Present (Previously: Senior Software Engineer: Aug 2023 – Aug 2025 | Software Engineer: Nov 2021 – Aug 2023)*

- **Research and Innovation**: Serve as a lead developer for RnD delivering enterprise platforms, AI-based solutions, and complex workflow automations.

- **Technical Leadership:** Served as the Framework Team Lead, driving architectural decisions, enforcing coding standards, and conducting code reviews to ensure scalability and maintainability.

- **AI Integration & Modernization:** Spearheaded the development of "Ayaan Copilot," a Next.js-based AI add-on for a legacy system, utilizing Server-Side Rendering (SSR) to modernize the user experience.

- **Performance Optimization:** Designed and implemented a new cache handling mechanism for dynamic reporting, **improving system performance by 80%**.

- **Data Architecture:** Successfully introduced GraphQL to the reporting ecosystem, resolving over-fetching issues and significantly accelerating data retrieval times.

- **Microservices:** Developed and maintained robust REST APIs using Java 17/Spring Boot and Nest.js, ensuring high availability for critical business functions.

- **Developer Experience:** Integrated AI tools (GitHub Copilot, Claude, Antigravity) into the team's workflow, streamlining refactoring processes and increasing coding efficiency.

- **Testing Strategy:** Championed Test-Driven Development (TDD), ensuring robust unit and integration testing across the codebase.

Digiratina Technology Solutions | Colombo, Sri Lanka

Software Engineer | *Feb 2021 – Oct 2021 (Associate Software Engineer: Feb 2020 – Feb 2021)*

- **Workflow Automation:** Engineered a solution using Camunda to fully automate business processes, increasing workflow project throughput by **60%**.

- **Real-time Systems:** Revamped the chat and notification architecture for the *Hallaga* web application using Firebase, resulting in a **60% performance improvement** and reduced latency.

- **Security & Cloud:** Secured API endpoints using Spring Security and OAuth2; managed AWS cloud deployments and database configurations.

- **Database Optimization:** Wrote complex stored procedures to enhance transaction speed and data integrity.

Axionent | Colombo, Sri Lanka

Trainee Software Engineer | *Jul 2017 – Dec 2019*

- Gained foundational expertise in Java (7/8), Spring Framework, HTML, CSS, and JavaScript.

- Developed high-performance socket applications and managed service deployments on Linux environments.

EDUCATION

BSc (Hons) in Software Engineering Cardiff Metropolitan University | 2019