

Lalithya Nawanjana

Software Engineer

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PROFESSIONAL SUMMARY

Experienced Software Engineer with 5+ years of designing and delivering scalable web applications across enterprise environments. Proficient in Angular, TypeScript, Java, and Spring Boot, with strong expertise in microservices architecture, RESTful API integration, and UI/UX optimization. Currently specializing in frontend engineering at Allianz Insurance, delivering features across customer, agent, claims, and policy management platforms. Skilled in leading technical initiatives, improving system performance, and shipping high-quality solutions in Agile teams.

TECHNICAL SKILLS

Core Stack	Angular, TypeScript, JavaScript, HTML5, CSS3 / SCSS
UI & Design	Angular Material, Responsive Design, Component Architecture, Figma
Backend	Java, Spring Boot, Hibernate, RESTful API Design, Microservices
Databases	MySQL, PostgreSQL, MongoDB
Cloud & DevOps	AWS (Developer Associate), Git, GitHub, Maven
Process	Agile / Scrum, SDLC, Jira
Developer Productivity Tools: Cursor, Claude, GitHub Copilot, Prompt Engineering	

EXPERIENCE

Software Engineer | Allianz Insurance Lanka Ltd

October 2022 – Present

- Delivered features across four enterprise insurance platforms, customer portal, agent portal, claims system, and policy management, taking full ownership from requirements and UI design through to API integration and release.
- Led a zero-downtime migration of the advisor portal from Angular 8 to Angular 13, modernizing the build pipeline and unblocking adoption of new framework features.
- Implemented route-level lazy loading and code splitting, reducing initial bundle size and improving first-load performance across the portal suite.
- Built a shared Angular Material component standardizing UI patterns and reducing duplicated code across feature teams.
- Designed scalable microservices with Java and Spring Boot, integrating third-party insurance APIs with consistent error handling and retry logic to improve integration reliability.
- Translated complex insurance business rules into accessible, responsive interfaces in close collaboration with product, design, and QA within a Scrum delivery model.

Software Engineer | Datamation Systems (Pvt) Ltd

February 2021 – September 2022

- Optimized SQL Server queries and Crystal Reports within the FiNac ERP platform, reducing report generation time and improving data processing efficiency.
- Led end-to-end ERP implementations for clients across manufacturing, cargo, and education sectors, covering delivery, user training, and post-launch support.
- Reduced client downtime and improved user adoption through structured onboarding and proactive support processes.
- Mentored junior engineers through code reviews and knowledge-sharing sessions, contributing to measurable improvements in team delivery quality.

Associate Software Engineer | Datamation Systems (Pvt) Ltd

January 2020 – January 2021

- Customized and enhanced FiNac ERP modules, improving system performance and functionality by 20% through targeted refactoring and query optimization.
- Designed system flow frameworks that increased application scalability, supporting growing client data volumes without architectural changes.
- Maintained system uptime across client environments through proactive monitoring and rapid incident resolution.
- Reduced recurring service issues by systematically identifying root causes and implementing permanent fixes instead of temporary workarounds.

EDUCATION

BSc (Hons) Computing — Coventry University, UK	2022 – 2024
Diploma in Computer System Design — NIBM, Sri Lanka	2018 – 2019

CERTIFICATIONS

AWS Certified Developer – Associate	<i>Valid to August 2028</i>
GitHub Foundations Certification	<i>Valid to February 2028</i>