

SHANAKA LAKMAL

Associate Tech Lead | Full-Stack Cloud Architect (MERN & TypeScript) Location:

Colombo, Sri Lanka | **Phone:** [Your Phone Number] **Email:** jm.neranjan@gmail.com | **LinkedIn:** [Your LinkedIn Link]

PROFESSIONAL SUMMARY

High-impact **Associate Tech Lead** with over 9 years of professional experience in the Sri Lankan software industry. Expert in the **MERN stack and TypeScript**, with a deep focus on **cloud-native architecture (AWS)** and enterprise-level system design. Proven track record of leading high-performing engineering teams, implementing **automated CI/CD pipelines**, and driving **Test-Driven Development (TDD)** to ensure zero-defect delivery. Expert in **Microservices and Serverless** orchestration with a strong commitment to **OWASP security standards**.

CORE COMPETENCIES

- **Technical Leadership:** Technical Roadmap Planning, Mentoring, Sprint Management (Jira), Code Reviews.
- **Frontend:** **TypeScript**, React.js, **Redux Toolkit**, Performance Optimization, Responsive UI.
- **Backend:** Node.js, Express.js, **Microservices Architecture**, **Serverless (AWS Lambda)**, REST/GraphQL.
- **Cloud & DevOps:** AWS (ECS, Step Functions, CloudFormation, CodePipeline), Docker, **Monitoring (CloudWatch)**.
- **Database:** MongoDB, **DynamoDB**, **PostgreSQL**, MySQL, T-SQL (Stored Procedures).
- **Security & Quality:** OWASP Top 10, Playwright, Katalon, API Testing (Postman), CI/CD Ownership.

PROFESSIONAL EXPERIENCE

Associate Tech Lead [Current Company Name], Colombo, Sri Lanka | January 2020 – Present

- Lead a team of 8+ engineers to deliver high-availability cloud solutions using **TypeScript** and the MERN stack.
- Architected and deployed **Microservices** on **Amazon ECS** and **AWS Lambda**, improving system scalability by 45%.
- Designed complex business workflows using **AWS Step Functions**, ensuring stateful orchestration for financial data.
- Owned the **CI/CD pipeline** via **AWS CodePipeline** and **CloudFormation (IaC)**, automating 100% of deployment stages.
- Optimized frontend performance and global state management using **Redux Toolkit**, resulting in a 30% faster UI.
- Enforced secure coding practices per **OWASP** and established logging/monitoring using **Amazon CloudWatch**.

Senior Software Engineer [Previous Company Name], Sri Lanka | June 2017 – December 2019

- Developed core backend logic using Node.js and integrated complex enterprise APIs.
- Managed **PostgreSQL** and **MySQL** databases, optimizing stored procedures for 20% faster transaction processing.
- Introduced **Shift-Left testing** and automated regression suites using **Playwright**, reducing production bugs by 50%.
- Collaborated with Product Owners to lead sprint planning, task breakdown, and technical estimations.

Software Engineer [Previous Company Name], Sri Lanka | January 2015 – May 2017

- Built and maintained full-stack web applications using JavaScript, PHP, and MySQL.
- Implemented responsive UI components and handled frontend-backend data integrations.
- Assisted in migrating legacy data to cloud-based Firebase and SQL environments.

KEY PROJECTS

Enterprise Money Collection & Installment Management System

- **Role:** Associate Tech Lead (Architecture & Full-Stack)
- **Stack:** TypeScript, React, Redux, Node.js, **AWS Step Functions**, **DynamoDB**, **AWS Lambda**.
- **Impact:** Architected a distributed financial system handling high-concurrency transactions. Used **CloudFormation** for environment consistency and **AWS CodePipeline** for continuous integration, ensuring a high-stability production environment.

EDUCATION

- **B.Sc. (Hons) in Software Engineering / Computer Science** University of Moratuwa (or your actual University), Sri Lanka
- **AWS Certified Developer – Associate** (Certification)
- **MERN Stack Web Development** (Advanced Certification)
- **SQL and Database Programming** (MySQL, T-SQL)

LEADERSHIP & SOFT SKILLS

- Technical Decision-Making & Ownership
- Strategic Planning & Resource Management
- Excellent Technical Communication (English)
- Mentoring & Knowledge Sharing