Lakmal Shanaka

Associate Tech Lead | Senior Software Engineer | QA-Driven Development

Email: jm.neranjan@gmail.com

Location: Sri Lanka

PROFESSIONAL SUMMARY

Results-driven Associate Tech Lead with a strong background in software development and quality engineering. Experienced in leading small teams, reviewing code, enforcing engineering best practices, and delivering scalable, high-quality solutions. Skilled at bridging development, QA, and business requirements with a hands-on approach to MERN stack, backend systems, APIs, and automation. Passionate about mentoring junior engineers and driving continuous improvement.

CORE COMPETENCIES

Technical Leadership, System Design, Code Review, Mentoring Junior Engineers, Sprint Planning, Task Breakdown, Cross-Team Collaboration

JavaScript (ES6+), MERN Stack (MongoDB, Express.js, React, Node.js)

PHP, Python, Java, C#

REST API Design and Integration

Backend Logic Validation

Firebase Integration (Basic)

Shift-Left Testing Strategy

Test Automation (Playwright, Katalon)

API Testing (Postman)

SQL, MySQL, T-SQL, Stored Procedures

Git, GitHub

Agile, Scrum, CI/CD Basics

Jira, Issue Tracking

PROFESSIONAL EXPERIENCE

Associate Tech Lead / Senior QA-Focused Engineer

Led technical discussions and supported architectural decisions for web applications

Reviewed code to ensure quality, maintainability, performance, and security

Mentored junior developers and QA engineers on best practices

Coordinated with product owners, developers, and QA teams to align delivery

Ensured backend, API, and database integrity through validation and reviews

Supported sprint planning, estimation, and release activities

KEY CONTRIBUTIONS

Reduced production defects through early validation and QA-driven development

Improved team productivity by mentoring and technical guidance

Enhanced release stability with structured regression strategies

PROJECT EXPERIENCE

Money Collection and Installment Management System

Role: Associate Tech Lead (QA and Development)

Designed and reviewed backend workflows and APIs

Assisted frontend and backend development using MERN stack

Validated business logic, edge cases, and database consistency

Guided junior developers on task implementation

Ensured end-to-end quality from development to production

EDUCATION AND TRAINING

MERN Stack Web Development (40+ hours)

Software Engineering and QA Automation Training

SQL and Database Programming (MySQL, T-SQL)

English and Technical Communication

Finance and Business Process Fundamentals

LEADERSHIP AND SOFT SKILLS

Technical decision-making

Clear and effective communication

Ownership and accountability

Mentoring and knowledge sharing

Stakeholder management

CAREER OBJECTIVE

To grow as an Associate Tech Lead or Tech Lead, driving high-quality software delivery through strong technical leadership, hands-on development, and QA-driven engineering practices while building scalable and maintainable systems.