

MATHUSAN SERALAGAN

A/Technical Lead

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Colombo, Sri Lanka

Summary

Associate Technical Lead with over 5 years of experience designing, developing, and delivering scalable applications. Strong proficiency in both frontend and backend development, with experience in building agentic workflows, AI-driven software development, integrating third-party APIs, and modernizing applications. Passionate about identifying complex problems and delivering practical, scalable solutions through agentic and automation-driven approaches that improve system performance, efficiency, and user experience.

Experience

A/Technical Lead

Insighture

Jan 2024 - Present

Colombo, Sri Lanka

- Lead a cross-functional engineering team, providing technical leadership, architecture guidance, code reviews, and mentoring.
- Work closely with stakeholders to gather requirements, define technical approaches, and deliver production-ready solutions.
- Improved frontend and backend performance, increasing overall system efficiency and supporting higher contract generation volumes.
- Worked with Next.js for frontend development, Fastify microservices for backend development, PostgreSQL for data storage, Stripe for payments, Apyse for document processing, AWS for cloud infrastructure and deployments, Annature as a digital signing provider, and PostHog and HubSpot for analytics and CRM integrations.
- Built a custom solution that reduced reliance on expensive third-party subscriptions, saving more than USD 10,000 annually.
- Designed and implemented AI-powered agentic workflows to automate quality control and testing processes.
- Contributed to projects including Tifansi and Hutly.

Senior Software Engineer

Fortude

Dec 2022 - Jan 2024

Colombo, Sri Lanka

- Designed and developed enterprise applications using React, NestJS, GraphQL, PostgreSQL, MongoDB, MySQL, RabbitMQ, Kafka, Redis, AWS, and .NET Core.
- Contributed to system design, code reviews, deployments, Agile delivery, and mentoring of team members.
- Solely designed and developed a full-scale master-data change tracking application for Infor M3, including approval workflows and auditability.
- Built event-driven backend services using NestJS, GraphQL, RabbitMQ, Bull.js, Redis, PostgreSQL, and AWS.
- Developed an interactive solution to visualise complex relationships between workflows and operations, improving usability of an existing .NET Core platform.
- Upgraded legacy .NET Core applications to newer versions, resolving unsupported dependencies and refactoring code for performance and maintainability.

Software Engineer

1 Billion Technology

Nov 2021 - Dec 2022

Colombo, Sri Lanka

- Developed and maintained scalable web applications using React, Redux-Saga, Ant Design, Serverless Framework, PostgreSQL, MongoDB, and AWS.
- Built and deployed cloud-based features using AWS services and serverless architectures.
- Participated in Agile development, code reviews, deployments, and mentorship.
- Collaborated directly with clients to clarify requirements, align technical delivery with business goals, and support smooth project execution.

Software Engineer

Niogin Technology

📅 jun 2020 – nov 2021

📍 Colombo, Sri Lanka

- Managed and delivered two major applications simultaneously while collaborating with clients and developers across multiple regions.
- Developed a banking application to manage internal transactions for a bank in Cameroon.
- Independently developed a full-stack application to help users in Sri Lanka find the nearest vaccination center.

Selected Projects

Tifansi

Insighture

📅 2024 – Present

📍 <https://tifansi.com>

MotoGP fan engagement platform focused on gamified interactions, rewards, and community-driven content.

- Designed and implemented AI-powered workflows to automate quality control and testing processes.

Hutly

Insighture

📅 2024 – Present

📍 <https://hutly.com>

Australian PropTech platform that uses AI-driven automation to streamline real estate workflows such as contract generation, approvals, and compliance.

- Led a team of software engineers and consistently delivered high-quality features and solutions.
- Worked on performance optimization and feature delivery across frontend and backend systems.
- Designed and implemented a proof of concept (POC) that reduced annual subscription costs for the client.
- Improved client satisfaction by optimizing application performance, resulting in increased contract creation volume.

Education

B.Sc. (Hons.) in MIT

University of Kelaniya

📅 Feb 2016 – Mar 2020

📍 Kelaniya, Sri Lanka

- Specialized in information technology

Certifications

Claude Partner Network Learning Path

Anthropic

📅 May 2026

- Introduction to Agent Skills.
- Building with the Claude API.
- Introduction to Model Context Protocol.
- Claude Code in Action.

Skills

- **Programming Languages** – TypeScript, JavaScript, Node.js, Bun, ASP.NET Core, PHP.
- **Frontend** – React, Next.js, Redux-Saga, Ant Design, Kendo UI.
- **Backend** – NestJS, Fastify, Laravel, REST APIs, GraphQL, .NET Core.
- **Cloud and DevOps** – AWS, Cloudflare, Docker, Linux, GitHub Actions, GitLab CI/CD, Datadog.
- **Databases and Messaging** – PostgreSQL, MongoDB, MySQL, Redis, RabbitMQ, Kafka, Bull.js.
- **AI and Agentic Systems** – Claude API, Claude Agents SDK, Vercel AI SDK, Model Context Protocol, AI workflow automation.

- **Tools and Platforms** – Stripe, HubSpot, PostHog, Git.

Leadership Highlights

- Led and mentored engineering teams across multiple software delivery projects.
- Conducted architecture reviews, code reviews, and technical design discussions.
- Collaborated with stakeholders to convert business requirements into scalable technical solutions.
- Supported engineering best practices across code quality, maintainability, deployment, and performance optimisation.

Achievements

- Runner-up, Insighture Internal AI Hackathon, 2025.
- Participated in Srilankan University Games - basketball

Last updated: June 1, 2026