

Sameera Madushan

Technical Lead · Senior Full-stack Engineer (React, Next.js, TypeScript, Node.js)

Boralesgamuwa, Sri Lanka | +947 1817 3441 | sameeradelpechithra@gmail.com
linkedin.com/in/sameeradelpechithra | github.com/sameeramadushan

PROFESSIONAL SUMMARY

Technical Lead and Full-stack Engineer with 9+ years building scalable web and mobile platforms across automotive, healthcare, and telecom, including 5 years at Fixico, a Dutch B2B vehicle-repair marketplace. Led a cross-functional team to a 95% on-time delivery rate, shipped a zero-incident Turbopack migration that cut build times by ~80%, traced ~90% of production errors to a single root cause, and introduced trunk-based development and LaunchDarkly feature flagging, cutting cycle time by 30%. Early adopter of AI-assisted engineering with a documented 93.8% efficiency gain in a Claude Code pilot.

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, SQL
- Frontend:** React, Next.js, Redux, Material UI, Turbopack, Webpack, Babel, HTML5, CSS3
- Backend & APIs:** Node.js, Next.js (SSR / API routes), REST, GraphQL
- Mobile:** React Native (iOS, Android), App Store / Play Store publishing, CodePush
- Quality & Tooling:** Jest, React Testing Library, Sentry, CircleCI, Jira, Confluence
- DevOps & Cloud:** Docker, Kubernetes, Google Cloud Platform (GCP), CircleCI, GitHub Actions, Git, LaunchDarkly
- Databases:** MySQL, MongoDB, Cloud SQL
- AI Tooling:** Claude Code, OpenAI Codex, Gemini, Cursor, GitHub Copilot, Lovable, V0
- Practices:** Agile / Scrum, trunk-based development, feature flagging, CI/CD, technical documentation, mentoring, hiring

WORK EXPERIENCE

Technical Lead

Gapstars | Fixico (Dutch B2B vehicle-repair marketplace) · Sri Lanka

Leading frontend engineering for the marketplace's product dashboards across four production repositories.

- Led a cross-functional team of 6+ developers, QA engineers, DevOps, and product owners, delivering high-impact features with a **95% on-time rate** and consistently exceeding stakeholder expectations.
- Architected scalable, high-performance frontends with Next.js, React, TypeScript, and Material UI, achieving a **50% improvement in load times** and a **90+ Sentry performance score** across platforms.
- Delivered a **zero-incident Webpack-to-Turbopack migration** (Next.js 16 / React 19) across the product dashboard in under two sprints against a 70–90 hour estimate: dev-server startup **14s to 6s**, page compile **782ms to 102ms**, full build **~5 min to ~1 min**, memory steady at ~4 GB versus prior 8 GB spikes.
- Ran a Sentry-driven tech debt audit of the product dashboard, traced **~90% of production error volume** to a single 401 error storm, and led a four-phase remediation plan that **cut the Sentry error rate by 50%+**.
- Restructured a ~100-issue frontend modernization epic into five focused epics (build tooling, Next.js core, Redux SSR removal, React 19, API layer) and defined a **16-phase React 19 and package migration program**.
- Introduced **trunk-based development and LaunchDarkly**, cutting cycle time by **30%** and enabling flag-gated releases across four repositories; diagnosed silent flag fallbacks from content blockers and Safari tracking prevention and prototyped a Relay Proxy fix.
- Championed **AI-assisted engineering**: led a Claude Code pilot with a documented **93.8% efficiency gain**, authored a proposal for an AI-ready multi-repo development workspace, and contributed to the company's AI strategy presentation.
- Drove stakeholder alignment and release coordination through rollout plans, technical documentation, risk matrices, and demo sessions, earning recognition for transparent communication and trust-building.
- Made process decisions on data: analysed CircleCI regression runs to show **~58% of test-automation failures** were environment or test-data related, redirecting team effort toward staging stability.
- Delivered a multi-phase product programme on plan while absorbing ownership of its final phase, and resolved critical blockers and team gaps during resource crunches, including a cross-team rescue of a neighbouring team's delivery.
- Authored the **Frontend Unit Testing Playbook** (Jest + React Testing Library, 70%+ coverage target) and a six-page team onboarding guide; ran knowledge-shares and drove hiring from shortlisting and interviews to onboarding.
- Contributed 6+ backend fixes to the PHP/Laravel services and unblocked QA and local development during a PHP package-registry migration.

Sep 2024 – Present

Senior Software Engineer

Sep 2021 – Sep 2024

Gapstars | Fixico · Sri Lanka

- Proactively owned platform stability and tech upgrades, including Next.js and Sentry migrations and outdated package upgrades, keeping the platform secure and modern without disrupting delivery.
- Planned and delivered complex features such as cross-platform user management, balancing usability and security.
- Resolved delivery gaps and communication breakdowns on critical projects through structured retrospectives and process fixes.
- Mentored junior engineers and fostered a collaborative culture of best practices, shared accountability, and open feedback.

Lead Mobile Engineer

Nov 2020 – Sep 2021

ObjectOne (Pvt) Ltd | NCell Nepal · Sri Lanka

- Designed a mobile platform architecture with Keycloak authentication and centralised API management for secure access.
- Led and built a social distribution app in React Native for iOS and Android, managing App Store, Play Store, and App Center publishing with CodePush updates.
- Mentored two junior engineers through code reviews and hands-on guidance, and led UAT sessions with business stakeholders.

Software Engineer

Nov 2018 – Nov 2020

Villvay · Sri Lanka

- Built a dealer management system (React, Webpack, Babel), a customer management platform (MeteorJS, Spring Boot REST API, React Native), and a volunteering social app (React Native, GraphQL, microservices).
- Led multiple client-facing projects from planning to delivery, shipping polished, maintainable, high-performance UIs.

Junior Software Engineer

Nov 2016 – Nov 2018

Virtusa · Sri Lanka

- Automated manual banking workflows with custom scripts, **reducing operational time by 2X**, and built a real-time Node.js/Angular dashboard to monitor automation runs.
- Handled end-to-end project requirements from planning to delivery in a highly secure banking environment.

EDUCATION

Bachelor of Science (Hons) in Information Technology

Jan 2015 – Jan 2019

Sri Lanka Institute of Information Technology (SLIIT) · Sri Lanka

Second Upper Class Honours (GPA 3.37); Dean's List, Final Year (Semester 1 GPA 3.76, Semester 2 GPA 3.86)

PROJECTS

Healthnet (Pvt) Ltd — Online Medicine Ordering App (React Native)

Aug 2021 – Oct 2021

- Developed an online medicine ordering app used during COVID-19, letting users order medicine and track deliveries.

Nestle (Pvt) Ltd — WhatsApp Sticker App (React Native)

Feb 2020 – Apr 2020

- Designed and built a WhatsApp sticker app adopted by **1,000+ users**.

AWARDS

National ICT Awards (NBQSA) — Winners' Circle, Merit Award for iChair (IoT Stress Detection System)

SLIOT 2018 (University of Moratuwa) — Winner, for iChair (IoT Stress Detection System)

SLIIT Codefest — Emerging Innovator, 1st Runner-up, for iChair (IoT Stress Detection System)

SLIIT Symposium — Best Research Paper, for iChair (IoT Stress Detection System)