SANURI PERERA

Software Engineer | Full Stack & Mobile Developer

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PROFESSIONAL SUMMARY

Full-stack and mobile software engineer with 3+ years of experience building REST APIs, responsive web applications, and cross-platform mobile apps across healthcare, retail, logistics, and education domains. Core strengths in PHP/MySQL enterprise systems and React Native/Node.js mobile development, with hands-on experience in Firebase, GCP, and JWT-secured architectures. Delivered 8+ production modules with measurable efficiency gains, including a 40% reduction in manual processing time. Seeking international opportunities in product engineering teams.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, PHP, SQL, HTML5, CSS3

Frontend: React.js, React Native, Bootstrap, NativeWind (Tailwind CSS), AJAX, Responsive UI/UX

Backend: Node.js, NestJS, REST API Development, JWT Authentication, Middleware Design, Stored Procedures

Mobile: React Native, Expo, Cross-Platform iOS & Android, Local Storage, DateTimePicker

Databases: MySQL, SQLite, Firebase Firestore, Database Design, Query Optimization, Normalization

Cloud & DevOps: Google Cloud Platform (GCP), Firebase (Auth, Realtime DB, Firestore), Docker, CI/CD

Tools & Methods: Git, GitHub, Agile/Scrum, SDLC, Debugging, Code Review, QR Code Systems

PROFESSIONAL EXPERIENCE

Associate Software Engineer — Feb 2026 – Present

NSOFT Technologies | Sri Lanka

- Engineer and deploy enterprise web modules — including Agent, Vehicle, Supplier, Payment, Inventory, GRN, and POS Management — using PHP, JavaScript, AJAX, MySQL, HTML5, CSS3, and Bootstrap, reducing manual processing time by an estimated 40%.
- Design and implement QR code generation and reporting for a vehicle valuation system, enabling instant vehicle identification and streamlining audit workflows.
- Build financial reporting features with dynamic filtering, payment deduction calculations, due-amount tracking, and stock analysis dashboards for real-time business intelligence.
- Developed a JSON-driven dynamic timetable and educational management system, decoupling schedule logic from application code so non-technical administrators can manage configurations independently.
- Integrate multi-module business workflows (GRN → Supplier Payments → Inventory → POS → Sales Invoicing → Vehicle Systems), eliminating data silos and ensuring end-to-end traceability.
- Resolve legacy system bugs including complex stored procedure errors and database integrity issues, improving system stability and reducing production incidents.
- Design and optimize relational database schemas, relationships, and validation logic, enhancing data integrity and query response times.
- Implement dynamic AJAX-based data loading and real-time interactions, improving front-end responsiveness and reducing full-page reloads.
- Participate in the full SDLC — requirements gathering, development, QA testing, deployment, and post-release maintenance — within cross-functional teams.

Associate Software Engineer — Aug 2025 – Dec 2025

Onimta Information Technology (Pvt) Ltd | Colombo, Sri Lanka

- Developed and maintained production-grade cross-platform mobile applications using React Native and Expo, serving active client deployments across iOS and Android.
- Architected and integrated REST API services for real-time data synchronization, ensuring consistent data delivery across client interfaces and backend systems.
- Designed modern, accessible UIs using NativeWind (Tailwind CSS), improving usability and reducing onboarding friction for end users.
- Collaborated with backend developers and QA teams in an Agile environment to deliver production-ready features on schedule, contributing to sprint planning and code reviews.
- Profiled and optimized mobile application performance, resolving rendering bottlenecks that improved load times and user experience ratings.

Full Stack Developer Intern — Jun 2023 – Jul 2024

Cloud99X | Sri Lanka (Remote)

- Built and shipped mobile and web applications using React Native, Node.js, and Firebase, contributing to production-grade projects from design through deployment.
- Implemented Firebase Authentication (email/password and social login) and real-time Firestore features, enabling secure multi-user access and live data synchronization.
- Designed and delivered responsive, pixel-perfect UIs for iOS and Android, ensuring cross-device compatibility and adherence to platform design guidelines.
- Deployed applications on Google Cloud Platform (GCP), leveraging cloud infrastructure for scalable hosting, CI/CD pipelines, and production monitoring.
- Led end-to-end development of Vegatise, a client management mobile app, including architecture design, real-time data sync, authentication flows, and GCP deployment.

KEY PROJECTS

GEMID – AI-Powered Gemstone Identification App **Oct 2024 – May 2025**

Informatics Institute of Technology (Final Year Project)

- Developed an ML-powered mobile application for automated gemstone identification using image classification models, inclusion detection, and damage analysis via computer vision.
- Engineered a 3D gemstone visualization module using Three.js-based rendering for an immersive, differentiated UX.
- Integrated image processing pipelines for quality assessment, providing gemologists with actionable insights and reducing manual evaluation time.

Happy Pet – Veterinary Clinic Management System **Nov 2025 – Dec 2025**

Onimta Information Technology (Pvt) Ltd

- Built a full-featured mobile clinic management solution handling patient records, appointment scheduling, medical histories, and treatment tracking.
- Implemented intelligent autocomplete search for pets and customers and integrated DateTimePicker for appointment scheduling and birthday reminders.
- Digitized paper-based clinic records into structured mobile-accessible profiles with image uploads, breed details, and treatment histories.

TravelTales – Full-Stack Blog & Social Platform **Feb 2025 – May 2025**

Informatics Institute of Technology

- Engineered a full-stack blogging platform with JWT-secured authentication, CRUD post management, social follow/like features, real-time search, and server-side pagination.
- Containerized the application using Docker, enabling consistent local development environments and simplified production deployment.

Secure API Middleware – Country Data Service **Mar 2025 – Apr 2025**

Informatics Institute of Technology

- Designed a secure API middleware layer with JWT authentication, API key management, and rate limiting, integrating the RestCountries external API with normalized SQLite storage.
- Applied data normalization and filtering logic to ensure clean, structured API responses for downstream consumers.

Super Fashion – Quotation Management Mobile App **Aug 2025 – Oct 2025**

Onimta Information Technology (Pvt) Ltd

- Built a B2B mobile quotation management app with auto-generated quotation numbers, product catalog integration, full lifecycle management, and offline-first local storage synced with backend APIs.

Project Sentitube – Sentiment Analysis Platform **Sep 2022 – Apr 2023**

Informatics Institute of Technology (SDGP) — Best SDGP Award 2023

- Co-developed a sentiment analysis system for YouTube content as a group capstone project, recognized as the top-ranked software engineering project at the institute.

EDUCATION

BSc (Hons) in Software Engineering **2021 – 2025**

Informatics Institute of Technology (IIT) — Affiliated with University of Westminster, UK