

PRIYANKARA SENARATHNE

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FRONTEND DEVELOPMENT | SOFTWARE ENGINEERING | AGILE LEADERSHIP

Technically astute and solutions-driven Software Engineer with specialised experience leading frontend and backend development of mobile and web applications. Proven track record of leveraging a range of modern technologies and programming languages, such as ReactJS, Node.js, and others, to build new features, fix bugs and develop responsive, highly scalable systems. Adept at performing software testing, code reviews, and debugging to ensure applications meet client requirements during SDLC and improve user experience. Proficient in leading DevOps teams in designing multi-platform websites, creating API frameworks, planning technical writing, and steering projects within budget and time constraints.

- Frontend/Backend Development
- Project Management
- User Interface Design
- Web Performance Optimisation
- Software Development Lifecycle
- Unit Testing
- Agile Methodologies
- API Design
- Technical Documentation
- Code Review & Debugging
- Product Innovation
- Team Building & Coaching

AWARDS

Gold Winner, National Best Quality ICT Awards – designed “Sales Force System” as part of an in-house application development project.

PROFESSIONAL EXPERIENCE

AUK DEVELOPMENT | Remote

Frontend Developer/Software Engineer

Jan 2023 – Present

- **Build and maintain responsive, interactive applications** using modern web technologies such as React.js, resulting in a reduction in page load speeds and conversion rates.
- **Design innovative, reusable User Interface (UI)** components that reduce development costs and time for teams.
- **Spearhead integration of third-party services** and APIs to add new functionalities, increasing user interaction.
- **Develop and execute frontend development strategies** by implementing optimisation techniques such as code minification and troubleshooting issues using browser developer tools, thus increasing website performance.

SRI LANKA AIR FORCE | Colombo, Sri Lanka

Software Engineer

Jun 2015 – Dec 2022

- **Led development of a Logistic ERP system**, which reduced procurement fraud by **90%** and improved logistics efficiency.
- **Shepherded 12 developers in converting prototypes** and wireframes into up-to-date frontend code using latest TypeScript React & Node.js versions, all within the agile framework.
- **Designed software components** that met organisational needs by liaising with stakeholders, including department heads and end-users to gather requirements.
- **Minimised software errors** by writing, reviewing and debugging clean, efficient and well-documented codes, integrating them with frameworks and APIs and utilising multiple tools to configure GUI.
- **Utilised Selenium to build unit testing infrastructure** in agile environment, resulting in optimal system performance and reduced user-reported bugs.
- **Increased application responsiveness** by providing post-implementation support, including code review, troubleshooting and user feedback to strengthen system integrity.

NIPPON PAINT LANKA PRIVATE LIMITED | Colombo, Sri Lanka

Software Developer

Sep 2013 – May 2015

- **Architected an automated Android application** that streamlined manual sales order-picking procedure, leading to 45% increase in sales and improved order processing efficiency.

- **Boosted frontend and backend web application processes** by implementing CI/CD pipelines that optimised order management, reduced order-to-delivery time from **1 week to 24hrs**, and increased profitability by **15%**.
- **Enhanced code quality across the React codebase**, reducing code review time, minimal software errors/performance bottlenecks and improved system stability.
- **Ensured delivery of high-quality software products** by authoring REST API documentation and technical specifications.

PROJECTS PORTFOLIO

EPAS - Equipment Processing and Accounting System

- **Designed a system for procurement**, inventory, catering, budget and user management.
- **Technologies used:** React, HTML, CSS, Tailwind CSS, JavaScript, ES6, jQuery, AJAX, JSON, and Mongo DB.

Tender Dashboard

- **Built a dashboard that provided access to supplier details**, last purchase price, stocks, inventory, expiry details, and other relevant information required for the tender approval process
- **Technologies used:** React, ES6, JavaScript, HTML, Tailwind CSS, CSS, and MongoDB.

Daily Parade State System

- **Developed a system to manage daily attendance of over 35,000 personnel** that allowed individuals to punch their attendance while sectional heads updated system with daily duties, leave requests, and other related records.
- **Technologies used:** React, ES6, JavaScript, Firebase, HTML, CSS and MS SQL.

Holiday Homes Management System

- **Automated manual booking process of Holiday Home Reservations** by developing software that enabled users to reserve homes online and administration personnel to manage and handle bookings.
- **Technologies used:** React, ES6, HTML, CSS, JavaScript, jQuery, AJAX, JSON, and MS SQL.

Fuel and Security Management System

- **Architected an innovative system to manage the fuel distribution crisis** across Sri Lanka and allocate security personnel from the three forces to guard and streamline fuel distribution.
- **Technologies used:** HTML, CSS, PHP, Laravel, JavaScript, JSON, AJAX, jQuery, and MySQL.

Mobile Application

- **Developed an Android mobile application to streamline the sales order-picking process.** Implemented feature enhancements such as order collection, submission, credit balance check, approval, submission to the factory, and delivery within 24 hours.
- **Technologies used:** Android Studio, Asp.net, JavaScript, HTML, CSS, and Firebase.

EDUCATION

Bachelor of Information Technology | SLIIT

TECHNICAL SKILLS

Frontend Development: React.js, JavaScript, HTML, CSS, Material UI, Tailwind CSS

Backend Development: ASP.Net, Node.js, PHP, Laravel

Database: MS SQL Server, MySQL, Mongo DB, Firebase

Version Control: Git, Tfs

Tools: VS Code, Visual Studio, Android Studio

LANGUAGES

English – Fluent | German – Beginner | Sinhala – Native