Sidath Ranasinghe

Software Engineer

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Full-stack Software Engineer with 4+ years of experience in building scalable web applications using Angular, React, and Node.js. Proven ability to lead projects, implement best practices, and mentor teams to deliver high-performance solutions aligned with business goals.

WORK EXPERIENCE

Senior Software Engineer   November 2024 – May 2025

FocalId Technologies (Pvt.) Ltd., Jayamanna Terrace, Rendapola Junction, Mirigama 11200, Sri Lanka

Led front-end development initiatives across multiple high-value client projects, establishing architectural standards and mentoring junior team members.

- Architected and implemented reusable data visualization components using D3.js, ReCharts, and the React ecosystem, reducing development time for new dashboards.
- Established code quality standards across a few projects, reducing reported bugs and improving sprint velocity.
- Implemented robust state management patterns using Redux and Context API, creating a predictable and maintainable application architecture.

Software Engineer   June 2024 – October 2024

FocalId Technologies (Pvt.) Ltd., Jayamanna Terrace, Rendapola Junction, Mirigama 11200, Sri Lanka

Collaborated with cross-functional teams to deliver responsive, high-performance frontend solutions while contributing to codebase improvements.

- Developed performance-optimized frontend components using modern JavaScript techniques, improving load times on key client applications.
- Created a custom annotation tool using vanilla JavaScript and jQuery that streamlined internal data labeling processes.
- Integrated solutions with open-source data platforms, including N8N and DataHub, are enhancing data analytics capabilities for enterprise clients.
- Actively participated in agile ceremonies and translated UI/UX designs into responsive implementations that received client commendation.

Software Engineer   June 2022 – May 2024

Simato Solutions (Pvt.) Ltd., 488 Kotte Rd, Sri Jayawardenepura Kotte 10100, Sri Lanka

Delivered full-stack solutions for client projects with a focus on scalable architecture and innovative features.

- Contributed core functionality to the Appmaker platform, enabling 100+ businesses to create mobile applications with minimal technical knowledge.
- Implemented real-time chat and media streaming features for the StarsLive platform, supporting 5K+ concurrent users during peak events.
- Resolved complex performance bottlenecks in Angular applications, improving response times on high-traffic modules such as the P2Pchat template in the Appmaker platform.
- Integrated Genie payment gateway and implemented end-to-end subscription flows for Dialog and Mobitel, handling MSISDN detection, subscription initiation, renewal callbacks, and status validation across both frontend and backend layers.
- Mentored a junior developer on best practices of full-stack development methodologies.
- Collaborated with senior developers to optimize database queries, reducing load times for data-heavy screens.

Software Engineer Intern   July 2020 – July 2021

Simato Solutions (Pvt.) Ltd., 488 Kotte Rd, Sri Jayawardenepura Kotte 10100, Sri Lanka

Extended due to exceptional performance. Supported development teams across multiple client projects.

- Developed responsive UI components using AngularJS, Angular(2+), and Angular Material that were incorporated into production applications.
- Created reusable template components for the Appmaker platform that became standard offerings for new clients.
- Diagnosed and resolved bugs in existing Appmaker templates, improving stability and reducing support requests by streamlining reusable components.

EDUCATION

B.Sc. (Hons.) in Information Technology   2017 – 2022

Faculty of Information Technology, University of Moratuwa, Sri Lanka

- Relevant Coursework: Data Structures and Algorithms, C Programming, Object-Oriented Programming (Java), Object-Oriented Analysis and Design, Web Technologies, Network Systems, Database Management, Artificial Intelligence, Computer Architecture, and more.

G.C.E. Advanced Level (2016) - Physical Stream   2007 – 2016

Dharmaraja College, Kandy, Sri Lanka

- Z-Score : 1.6335 (Chemistry - A, Physics - B, Combined Mathematics - C)

PROJECTS

AutoTrust.lk (Ongoing Personal Project) | autotrust.lk

A trust-focused digital platform for Sri Lanka's vehicle market designed to combat fraud and improve transparency in vehicle transactions. Built features for verified service records, ownership transfers, and authentic advertisements with role-based dashboards for buyers, sellers, owners, service centers, and operators. Implemented secure workflows for ownership transfer, integrated subscription-based monetization, and supported both LKR & USD payments.

- **Technologies**: React.js, TypeScript, Node.js, Express.js, PostgreSQL (Prisma ORM), React Native, JWT Authentication, Google OAuth, Stripe API, Docker, Railway CI/CD

MateSL (Ongoing Personal Project)

An AI-powered assistant platform designed to provide step-by-step guidance on government services, business processes, and daily procedures for Sri Lankan citizens. Built with a microservices-based architecture in a MonoRepo structure, featuring multi-language support (Sinhala, Tamil, English), AI-driven chat, and version-controlled procedure management. Integrated OpenAI/Hugging Face models for intelligent responses, Redis/Elasticsearch for caching and search, and Kubernetes for scalable deployments.

- **Technologies**: Next.js, React Native, Node.js, Express.js, PostgreSQL, Redis, Elasticsearch, Docker, Kubernetes, Terraform, JWT, Google OAuth, OpenAI API, Hugging Face

PlayArena (Ongoing Personal Project)

Full-stack event ticketing platform enabling users to discover venues, book tickets with real-time seat selection, and manage events. Developed a comprehensive authentication system with role-based access control, integrated payment processing with Stripe/PayPal, and implemented real-time features using Socket.io. Built a responsive frontend with interactive seat mapping and seamless booking flow, complemented by a robust backend API with MongoDB integration.

- **Technologies**: React, TypeScript, Node.js, Express.js, MongoDB, Socket.io, Redux Toolkit, TailwindCSS, Stripe API, Google Maps API, Open Weather API, JWT Authentication

Reusable UI Components Library | storybook/reusable-ui-monorepo

Comprehensive monorepo containing 20+ production-ready React components with TypeScript and modern design patterns. Built an enterprise-grade form system with dynamic validation, interactive data visualization components, and advanced UI elements. Implemented Storybook documentation, custom design system, and workspace architecture for scalable component development.

- **Technologies**: React 18, TypeScript, TailwindCSS, Storybook, Monorepo Architecture, Zod Validation

IDEAMART Appmaker | appmaker.lk

A web-based platform that enables businesses and individuals to create mobile applications without requiring coding knowledge. Created a modular component architecture that facilitates the development and customization of scalable application templates.

- **Technologies**: AngularJS, Angular(2+), Angular Material, Node.js, Sails.js, Cordova, MongoDB

STARS-LIVE | starslive.lk

Social interaction platform connecting celebrities with fans through live streaming and exclusive content. Contributed to developing a real-time chat system supporting 10K+ concurrent users. Implemented media streaming optimization that reduced buffering by 60%.

- **Technologies**: Angular, Node.js, Sails.js, Ionic, Cordova, WebSockets, MongoDB, Redis

TECHNICAL SKILLS

Frontend Development: Angular, AngularJS, React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Bootstrap, HTML5, CSS3
Backend Development: Node.js, Express.js, Sails.js, RESTful APIs, Socket.IO, Prisma
Database Technologies: MongoDB, PostgreSQL, MySQL
DevOps & Tools: Git, Nginx, PM2, Docker, Jenkins, VS Code, WebStorm, IntelliJ IDEA, Android Studio, Postman, Jira, GitHub, GitLab

LANGUAGES

- **English** (Full Professional Proficiency)
- **Sinhala** (Native)

REFERENCE

Mr.Prasad Kumara
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