

Akalanka Perera

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About Me

A not your average full stack engineer fluent in building high-quality software solutions, adept at quick learning and sharp reconnaissance. Some areas of specialty include Fintech, Hybrid Apps, Ecommerce / Ticketing systems, and software libraries. I am eager to explore new fields and am always reliable when it comes to getting good work done in good time.

Technologies

Primary – Nodejs, NestJS, React, Nextjs, Flutter, Bun, MongoDB, SQL, Tailwind, Styled Components, SCSS, Docker, Git, Kubernetes, AWS, Azure, GCP, Firebase, GitHub Actions, GitLab CI/CD

Secondary – Golang, Laravel, Svelte, VueJS, React Native

Learning – ElysiaJS

Education

Sri Lanka Institute of Information Technology, Bachelor's Degree in Information Technology - Second Class Honors Upper Division Jan 2021 – Dec 2024

Experience

Software Engineer, Qlub – Fast Technology Service FZCO, UAE Nov 2023 – Present

- Integrated with multiple external loyalty service providers such as Como, Discover (GHA), and Rotana while building an internal loyalty and subscription solution to plug into the existing dine-in payment solution.
- Engineered and maintained a separate Golang microservice and NextJS frontend module to achieve the above.
- Built the NestJS based B2B module of an in-house payment link solution.
- Contributed to the development of Qlub Plus, the mobile face of the company's loyalty solution written using React Native.

Software Engineer, Spades – Spades App FZ LLC, UAE May 2022 – Nov 2023

- Integrated the system with multiple payment gateways such as Stripe, Checkout, Tabby and Amazon Pay through a centralized Node.js based payment microservice.
- Developed and maintained a monorepository housing a set of Node.js libraries designed to enhance efficiency and maintainability across microservices.
- Integrated with multiple POS systems through external APIS and Node.js based agents which were installed within their local environments.
- Wrote and maintained highly scalable Azure functions and extremely reusable GitLab pipelines.
- Contributed to the development of Spades POS, an Android app written using React Native which was exclusively implemented for Neo Pay POS devices by Mashreq Bank. It included an app-to-app integration for a seamless payment experience with additional features.
- Refactored a number of microservices in alignment with best practices and collaborated with fellow engineers to achieve rapid development and system scalability.

Software Engineer, Parallax Technologies, SL Nov 2021 – May 2022

- Built a global SAAS delivery solution which provides full operational coverage from order placement to delivery at the customer's doorstep. This was written using VueJS, Laravel, NestJS and React.
- Solely engineered and developed the Rider mobile app for the above solution using Flutter.

Honors and Awards

Winner - DevQuest 2023 | SLIIT CODEFEST

Jan 2024

International hackathon organized under the tertiary category of CODEFEST which was focused on debugging and adding to a full stack web application built on top of NodeJS.

Projects

MyTickets

mytickets.lk

Sri Lanka's largest ticket marketplace for events, concerts, theater, sports, and many more with ongoing expansion into movies and transportation. Includes B2C, B2B, and Admin platforms for a seamless ticketing experience and it's strongest feature, an extremely customizable dynamic seat plan designer.

- Bun, Expressjs, Nextjs, MongoDB, Turborepo, Kubernetes, Jenkins, Cybersource

Spades App / Qlub Pay

qlub.io

Web-based solution integrated with leading PSPs and POS systems, enabling restaurants to manage payments, menus, feedback, and reviews while offering customers a seamless pay-at-table experience with various card types, digital wallets, and loyalty services.

- Bun, Node.js, Nextjs, NestJS, Golang, Storybooks, MUI, Postgres, MongoDB, Redis, React Native, Kafka, Kubernetes, GitHub Actions

Hiru FM Mobile

Play Store | App Store

Interactive multimedia Android/iOS app built for the Asia Broadcasting Corporation and released as 5 individual apps named Hiru FM, Sun FM, Shaa FM, Gold FM and Sooriyan FM. It has the capability of live streaming both audio and video.

- Flutter

Curfox DMS

curfox.com

Global SAAS software solution for courier companies to build, manage and grow their network.

- React, NestJS, Laravel, VueJS, Flutter, MySQL, Firebase, Socket.io

React Seat Toolkit

mez-hq

An interactive and highly customizable React library for designing and rendering various seat layouts with JSON at its core. Developed as an open source alternative to costly commercial solutions.

- Reactjs, Storybook

Bashaway

bashaway.sliitfoss.org

A comprehensive and fully automated system for competitor registration, question/answer submission, progress analysis, and marking. Also designed dozens of unique challenges which are unsolvable by AI tools.

- Node.js, React Storybooks, Azure, GitHub Actions, MongoDB, Firebase

Qlub Plus

Play Store | App Store

Android/iOS app that showcases restaurant offers, provides an overview of wallet balances, and delivers push notifications for the latest deals. Currently used in Saudi Arabia, with expansion underway in the UAE.

- React Native, FCM

Timekeeper

timekeeper.sliitfoss.org

Plugin ecosystem for automated tracing/logging in Node.js based applications. Currently available to install on its own or as a Babel plugin and has future plans for extension with other build systems.

- Node.js, GitHub Actions

NPM Catalogue

Repository Link

Collection of open source Node.js libraries designed to enhance the performance, efficiency and maintainability of Express apps.

- Node.js, MongoDB, GitHub Actions