

Viran Malaka

Lead Engineer - Fullstack

Lead Full-Stack Software Engineer with 7+ years of experience delivering scalable, high-performance web and mobile solutions. Proven expertise in React, Next.js, and Node.js with a track record of optimizing enterprise platforms (Sysco Shop: 400K+ daily users, \$3B monthly orders). Skilled in leading distributed teams, architecting robust systems, and delivering zero-bug releases on tight deadlines.

Contact Me

LinkedIn:

<https://linkedin.com/in/viranmalaka/>

Email:

dgviranmalaka@gmail.com

Telephone:

[+94 77 9988 420](tel:+94779988420)

[+94 71 263 9796](tel:+94712639796)

Portfolio:

<https://viranmalaka.github.io>

Github:

[viranmalaka](https://github.com/viranmalaka)

Tech Skills

- Javascript / TS / NodeJS
- ReactJS
- NextJS
- HTML / CSS / SCSS
- Java / Spring
- Rest API
- SQL / MongoDB
- Flutter / Dart (beginner)

Soft Skills

- Critical Thinking
- Problem Solving
- Team Collaboration
- Technical Leadership

Achievements

IEEE Xstream 10.0 - International Programming Competition

Achieved World Rank 395 (Sri Lanka Rank 51) among thousands of participants in one of the most competitive programming contests.

Work Experience



AmusedGroup Lanka (PVT) LTD

- Led frontend development for an Australian wagering organization's betting platform mostly focusing on horse racing.
- Team Lead of a remote / hybrid team of 5 developers and 1 QA engineer to deliver the time application features.
- From the same codebase, built 10 apps by configuring theming and namings.
- Mentor 5 developers and help for the strategic planning of the product

Frontend Architect / Team Lead

Feb 2025 to present (1 year)

- Manage bi-weekly releases for 10 application for both web and mobile. Experienced in iOS / Android application distribution for testing and production.
- Lead the mission & time critical features in the FE application on both web and mobile app by delivering on time with no hotfixes.
 - Redesigned application UI page by optimizing API payloads and using virtualization, lazy loading and other rendering optimization
- Manage a side project called FE devops application with AI to make the developers tasks automated by introducing multiple tools like web-version dashboard, hotfix dashboard etc..

Senior Software Engineer - Frontend

May 2023 to Feb 2025 (1 year and 9 months)

- Engineered live streaming platform integration enhancing real-time betting experience.
- Optimized app performance for seamless user interaction.
- Key contribution on improving the code coverage by unit testing

Console app (NextJS)

- Architected NextJS application with NX mono repo, achieving 99% test coverage.
- Implemented production deployment on Azure with Docker and CI/CD pipelines.
- Developed micro-frontend architecture for independent domain-level feature deployment with next/module-federation lib.
 - <https://github.com/viranmalaka/school-mfe-poc>
 - <https://school-mfe.vercel.app/>
- Integrated Microsoft Active Directory authentication.

Tech stack: NX, NextJS, ReactQuery, MUI, Jest, ReactNative, React Reanimation, lottie



Sysco LABS - Customer Experience Division

- I played a key role in the development of Sysco Shop (<https://shop.sysco.com>), Sysco Corp's main web-based ordering tool, serving over 400,000 users daily. This application process of an impressive 2.4 million monthly orders, collectively valued at \$3 billion.

Software Engineer

January 2019 to August 2020 (1 year, 9 months)

- Led Shop Performance Enhancement task force, reducing rendering time delays by 70% through optimized use of styled-components.
- Implemented response caching in BFF with Redis, resulting in an 87% reduction in First Input Delay (FID).
- Improved scrolling performance with virtualized scrolling, asynchronous component rendering and some CSS tricks.
- Resolved Webpack misconfigurations, optimizing page loading time by 95% through bundling based on NPM packages and browser caching.

Senior Software Engineer

August 2020 to August 2022 (2 years)

- Led the re-write of the Cart Module and served as the cart-component owner.
- Introduced new module file patterns with coding best practices, optimizing FLUX data flow to reduce re-rendering.
- Developed a customizable, in-house data grid from scratch for the checkout module, incorporating virtualized scrolling, row grouping, and dynamic renderers.
- Executed a successful sea trial, ensuring the delivery of high-quality output with zero reported production issues.
- Guided team members to complete tasks before two sprints by minimizing dependencies and breaking down tasks effectively.
- Intercom Integration and Upscope Plugin Integration
- PunchOut Authentication Leadership:
 - Spearheaded the implementation of PunchOut, a novel authentication mechanism for VIP customers in Sysco Shop, enabling seamless logins from their system to Sysco Shop.
 - Orchestrated the e2e process, including analysis, design, implementation, and successful feature delivery.
 - Established a new microservice using NodeJS and actively contributed to onboarding new developers to ensure a smooth integration process.

Associate Technical Lead

August 2022 to May 2023 (9 months)

- Frontend internationalization
 - Did the consultation to integrate the new i18n library with minimal code changes by writing a wrapper around the library. It reduced the development estimate by over 80%.

Work Summary and Technology Used.

- Worked on Frontend, and backend and maintained the Internal UI library (FoundationUI) as well.
- Worked on production issues, and hotfixes.
- JavaScript, ReactJS, Redux, Redux-Saga, store, selectors, CSS, SCSS, Styled-Component.
- Java, GraphQL, Spring Boot, NodeJS, ExpressJS. DataDog, Jenkins, AWS.



[Freelance Project] Effort Agent - www.effortagent.com

- Led development of an AI-powered document writing platform in collaboration with ZeroOneTech and deliver the MVP project within 2.5 months with all the major features.

Technical Lead / Project Manager (2023 Jun - Present)

- Successfully managed a team of 4 developers, ensuring timely project delivery and direct client communication.

- Implemented advanced AI capabilities using LangChain, LangGraph, and LangSmith for sophisticated OpenAI prompt orchestration.
- Architected full-stack solution using NextJS, PostgreSQL with pgvector for vector embeddings storage.
- Tech stack: TRPC, Tailwind, Tiptap WYSIWYG editor.
- Established Kubernetes deployment infrastructure on DigitalOcean with GitHub Actions CI/CD.
- Stripe payment integration.



[Freelance project] Watch Guard

- Developed an innovative proctoring solution for SLTC University during Covid-19 pandemic.
 - Engineered a bandwidth-efficient monitoring system capturing periodic webcam photos and audio clips.
 - Optimized data collection for low-bandwidth environments, enabling effective remote examination proctoring by supporting 1000+ concurrent users.
 - Tech stack: ReactJS, ExpressJS, MongoDB, AWS cloud services.
 - Successfully deployed for university-wide online examinations, ensuring academic integrity while accommodating infrastructure limitations.



[Private project] Kawakatta.com (<https://kawakatta.com>)

- Online Sri Lankan past-papers paper bank.
 - The concept was developed and deployed by myself. Focused on mobile responsiveness and usability and SEO. Used Google OCR to read native languages and create the paper's contents. Used Image processing techniques to reduce uploaded image sizes and remove background. (better views on dark mode theming)
 - NextJS, PostgreSQL, AntDesign, Digital Ocean.
 - Experimentation - Created my own minimal version of Loopback JS to generate all the required REST endpoint from a given model.
 - Experimentation - Created my own minimal version of Redux store.
 - Flutter mobile app with same backend.



[Freelance project] AttendOn

- Student Attendance Marking System for SLTC University.
- Location-base attendance marking system with multiple layers of students verifications.
- NextJS, MongoDB, Created my own version of TRPC similar to method invocation from FE instead of traditional REST APIs.



Mubasher Technologies (PVT) LTD.

- Fin-tech company based in the UAE region.
 - Worked on the migration of a .NET application to a web-based with Angular 2.0+ technologies.
 - AG-Grid, Material UI, Angular 2.0, Java Spring.

Educational Qualifications



BSc Engineering (HONS) - University of Moratuwa

Computer Science and Engineering (January 2015 - December 2018)

- Second Upper Class with 3.331 GPA

OCPJP - IJSE Panadura (2014)