

Shan (Shanmugharaj Kumaragurubaran)

Senior Frontend Engineer

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PROFILE

Frontend engineer with 13+ years of total experience building scalable products across retail, logistics, fintech, and developer tooling. Specialized in React, Angular, Vue, TypeScript, and modern frontend architecture with strong focus on performance, developer experience, and maintainable systems.

Currently building Rivet, a self-hosted platform engineering product built using Go and Vue focused on simplifying deployments, container workflows, and developer infrastructure. The project reflects a strong interest in platform engineering, minimal operational tooling, and pragmatic developer-focused product design.

EXPERIENCE

Rivet <https://getrivet.app> – Toronto, Canada

April 2026 – Present

Founder / Engineer

- Building Rivet, a self-hosted PaaS for single VPS deployments using Go and Vue, enabling developers to ship Dockerfile-based applications from CLI or deploy public images through a web console.
- Built auto-sleep/wake infrastructure, encrypted secrets management, automatic SSL provisioning, routing, and real-time application monitoring.

Tesco – Bangalore, India

June 2023 – Jan 2026

Lead Frontend Engineer

- Led frontend development for a centralized Product Attribute Management platform supporting Tesco retail and digital operations.
- Reduced manual ticket-based brand issue resolution effort by nearly 50% through workflow and tooling improvements.
- Improved Product Induction UI responsiveness by reducing recomputation-related delays by nearly 2 seconds using frontend-driven dependency evaluation.
- Built CI/CD workflows using GitHub Actions, Docker, Kubernetes, and Vault integrations.

Locus.sh – Bangalore, India

June 2021 – Jun 2023

Senior Frontend Engineer

- Built ShipFlex UI using React for logistics and carrier management workflows supporting 160+ carriers.
- Built a schema-driven dynamic form framework that enabled product teams to roll out configuration-driven UI changes without frontend release cycles, significantly improving operational agility.
- Contributed to micro-frontend architecture using Webpack Module Federation.

Edelman Financial Engines – Bangalore, India

Jan 2020 – June 2021

Senior Frontend Engineer

- Built retirement planning experiences using React, TypeScript, and React Query.
- Contributed to Angular and React SPA modernization efforts including onboarding workflows and frontend architecture improvements.

Ascena Retail – Bangalore, India
Senior Software Engineer

Dec 2018 – Jan 2020

- Built customer-facing e-commerce experiences using Next.js.
- Maintained and extended legacy Handlebars and JSP-based systems while contributing to incremental frontend modernization efforts.

Intuit (Payroll - Techchefs Softwares) – Bangalore, India
Senior Software Engineer

Dec 2017 – Dec 2018

- Built subscription cancellation and survey workflows using React and Redux.
- Developed a reusable survey framework supporting experimentation.

Synchronoss Technologies – Bangalore, India
Senior Software Engineer

July 2015 – Dec 2017

- Built a desktop configuration tool using C# and WPF, enabling users to customize tiles and layers for geospatial APIs.
- Built features for an Angular 2 SPA, contributing to UI development for complex user workflows and integrating frontend functionality with geospatial services (WMS/WFS).

BookMyShow – Bangalore, India
Team Lead

June 2012 – July 2015

- Designed and built a standalone Windows-based kiosk application using C# and WPF, delivering a reliable self-service experience.
- Developed an SMS gateway using Node.js, Express, and MongoDB to enable messaging capabilities across internal applications.
- Led a team of three engineers in building a Transaction Storage Service while also contributing to its code reviews and implementation.

SKILLS

Frontend: React, Angular, Vue, TypeScript, Next.js, Remix, Tailwind CSS

State & Data: Redux, Zustand, React Query

Backend & Platform: Go, Node.js, Docker, Kubernetes, CI/CD, GitHub Actions

Testing: Vitest, Jest, Playwright, React Testing Library

CERTIFICATIONS

.Net C# - 70-483 | MCP Certification in C#.Net | 2017