

SACHIN MUTHUMALA ATHUKORALA

SOFTWARE ENGINEER

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Portfolio: www.sachinathu.dev | GitHub: github.com/SachinAthu

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PERSONAL STATEMENT

Results-driven and self-motivated software engineer with hands-on experience building scalable web applications, business systems, and high-performance digital platforms for startups and enterprise clients. Skilled in modern technologies, including Next.js, React, TypeScript, Firebase, and headless CMS architectures, with a strong focus on responsive design, performance optimization, and secure full-stack development.

Proven ability to manage complex workflows, collaborate with cross-functional teams, and deliver reliable solutions from concept to deployment. Coming from a freelancing background, I am proactive, adaptable, and a strong completer-finisher who takes accountability for delivering business value.

I bring analytical problem-solving, dependable execution, and a resourceful engineering mindset to collaborative software engineering teams.

WORK EXPERIENCE

Full Stack Developer - Freelance

Nov, 2024 – Present

- Built scalable web applications and business systems using React, Next.js, TypeScript, Firebase, and PostgreSQL.
- Developed responsive frontend architectures with performance-focused UI implementations and animation systems.
- Integrated authentication systems, CMS platforms, REST APIs, and transactional backend workflows.
- Delivered custom solutions for startups and business clients, including inventory systems, CMS platforms, and marketing websites.
- Optimized SEO, frontend performance, and responsive behavior across desktop and mobile devices.

Associate Software Engineer - SPEMAI (PVT) Ltd

Dec, 2021 – Mar 2023

- Designed and implemented responsive admin dashboards that improved system efficiency, data visualization, and overall user experience for internal stakeholders.
- Engineered a user-friendly ticket booking platform, streamlining operational workflows and enhancing customer engagement through intuitive UI and seamless functionality.
- Developed responsive and branded email templates for use in automated communication systems, contributing to improved user retention and professional client outreach.
- Authored comprehensive technical documentation and system guides to support onboarding, maintenance, and cross-functional understanding of internal tools and platforms.
- Built frontend features and interactive interfaces using Angular and React while contributing to scalable internal systems.

- Worked as a Full Stack Developer on the Culturally Sensitive Autism Assessment Tool (CSAAT) research project for six months.
 - Developed two web applications (Video Uploading tool, Video Trimming tool) using React, Django, Django Rest Framework, MySQL.
 - Gained knowledge and experience in Full Stack Development, JavaScript, React, Django, Git, time management and teamwork.
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KEY TECHNICAL SKILLS

- **Programming Languages** - TypeScript, JavaScript, HTML5, CSS3, SQL, Node.js, Python
 - **Frameworks & Libraries** - React, Next.js, Astro, Angular, React Native, Flutter, Tailwind CSS, GSAP, TanStack Query, TanStack Table, React Hook Form, Zod, Firebase SDK, Strapi CMS, Radix UI / shadcn/ui
 - **Databases** - Firebase Firestore, MySQL, PostgreSQL, Strapi CMS
 - **Cloud / DevOps** - Vercel, Digital Ocean, Firebase, Cloudinary CDN, CI/CD Concepts, REST API Integration, Performance Optimization, SEO & Structured Data Optimization
 - **Tools & Practices** - Git, Docker, Agile, Responsive Web Design, Full-Stack Web Development, Component-Based Architecture, Role-Based Access Control (RBAC), Form Validation & Security, Cross-Browser Compatibility, Performance Budgeting & Optimization, API Design & Integration, ESLint, Prettier, Husky, lint-staged, Figma-to-Code Development, Debugging & Troubleshooting, Technical Documentation, Clean Code & Maintainability, Problem Solving & Analytical Thinking
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EDUCATION

BSc in Software Engineering (Coursework Completed)

- Sri Lanka Institute of Information Technology | 2018 - 2022
- Malabe, Sri Lanka
- Completed final-year coursework and research project

Higher Diploma in Information Technology

- Sri Lanka Institute of Information Technology | 2018 - 2020
- Malabe, Sri Lanka

PROJECTS

WheelStock Inventory Management System

Next.js, TypeScript, Firebase, TanStack Query

Case study - <https://sachinathu.dev/works/wheelstock>

- Built a multi-store inventory and POS platform supporting real-time stock tracking, sales workflows, and role-based access control.
- Implemented transactional inventory operations using Firebase Cloud Functions and Firestore transactions.
- Developed reporting dashboards, stock transfer workflows, and automated low-stock notifications.
- Optimized performance with TanStack Query caching and server-side rendering patterns.

Tealeaf Consulting Website

Next.js, TypeScript, Tailwind CSS, GSAP

Case study - <https://sachinathu.dev/works/tealeaf>

- Developed a high-performance marketing website for a financial advisory firm with responsive layouts, cinematic animations, and conversion-focused user flows.
- Implemented advanced GSAP animations, including ScrollTrigger, ScrollSmoother, parallax effects, and SVG morphing while maintaining smooth performance across devices.
- Optimized frontend performance through GPU acceleration, conditional rendering, animation cleanup, and responsive interaction patterns.
- Improved brand positioning and lead generation by integrating SEO optimization, structured metadata, and strategically placed conversion CTAs.

Voxitec Corporate Platform

Next.js, TypeScript, GSAP, Strapi CMS, PostgreSQL, Brevo API

Case study - <https://sachinathu.dev/works/voxitec>

- Built a full-stack corporate platform with integrated blog CMS, careers portal, contact system, and portfolio showcase for a software development startup.
- Developed secure server-side form workflows using Zod validation, sanitization, honeypot bot protection, and transactional email integration via Brevo API.
- Integrated Strapi headless CMS for dynamic content management, including blog posts, job listings, announcements, and contact submissions.
- Implemented responsive UI systems, GSAP animations, SEO optimization, RSS feeds, and performance improvements using dynamic imports and CDN-based image delivery.