

Ajirthan Balasingham



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Summary

Proactive Software Engineer with 3.5+ years of industry experience specializing in scalable **Next.js, React, and Node.js** ecosystems. Expert in architecting **multi-tenant SaaS platforms**, optimizing high-traffic web performance (95+ Lighthouse scores), and engineering complex **Nx Monorepos**. A collaborative problem-solver with a strong foundation in **TypeScript** and **Open-Source** contribution.

Education

University of Westminster <i>BEng (Hons.) Software Engineering</i>	Sep 2024 – Aug 2028 <i>Informatics Institute of Technology (IIT)</i>
University of Colombo School of Computing <i>Bachelor in Information Technology (BIT)</i>	Oct 2023 – Sep 2026 <i>Colombo, Sri Lanka</i>
Calcey Technologies <i>Calcey Springboard Scholarship Program</i>	Feb 2023 – Apr 2024 <i>Hybrid / Colombo</i>
Uki Coding School <i>Full-Stack Web Development Bootcamp</i>	Mar 2022 – Sep 2022 <i>Jaffna, Sri Lanka</i>
Mallavi Central College <i>G.C.E. Ordinary Level & Advanced Level</i>	Jan 2007 – Dec 2021 <i>Mullaitivu, Sri Lanka</i>

Experience

Techloom.ai <i>Software Engineer</i> <ul style="list-style-type: none">Spearheaded architectural design and full-stack development of multi-tenant cloud SaaS platforms, including the KAIONEX ERP ecosystem.Successfully managed deployment and CI/CD pipelines for 15+ production-grade web applications, ensuring 99.9% availability.Mentored a team of junior developers on React 19 best practices, state management patterns, and Clean Code principles.	Jul 2025 – Mar 2026 <i>Remote / Sri Lanka</i>
soosap GmbH <i>Frontend Software Engineer</i> <ul style="list-style-type: none">Architected AXA Switzerland's unified React component library from scratch using Atomic Design to standardize UI/UX across all product teams.Engineered a scalable Nx Monorepo structure, enabling efficient multi-package sharing and reducing developer friction.Validated Contentful Studio integrations by building real-world customer use cases and establishing automated E2E test suites with Playwright.Collaborated directly with the Product Triad (PM, Designers, Engineering) to bridge technical gaps and ship WCAG-compliant interfaces.	Apr 2023 – Jun 2025 <i>Remote / Switzerland</i>
3axislabs <i>Intern Software Engineer</i> <ul style="list-style-type: none">Engineered real-time gameplay flows and social integration for Palatar, a high-traffic multiplayer gaming platform.Implemented real-time audio/video communication using WebRTC and Jitsi, optimizing for low-latency user experiences.Raised Lighthouse performance scores from 60% to 95% by implementing advanced caching and Frontend optimizations.	Oct 2022 – Apr 2023 <i>Onsite / Jaffna, Sri Lanka</i>

Featured Projects

AXA One Claims UI | *React, TypeScript, Nx, Tailwind, Storybook*

- Architected the organization-wide design system for AXA Switzerland, featuring 50+ accessible, reusable components.
- **Technologies Used: React, TypeScript, Next.js, Tailwind CSS, CVA, Storybook, Nx**

Sharack Mobility (SDGP) | *Next.js 16, NestJS 11, Drizzle, Redis, Nx*

- Engineering a digitized distribution ecosystem with a **NestJS** backend and **BullMQ/Redis** for asynchronous job processing.
- **Technologies Used: Next.js 16, NestJS 11, Drizzle ORM, Redis, BullMQ, Nx Monorepo**

Contentful Studio Integration | *Next.js, TypeScript, Playwright*

- Built reference implementations and **E2E test suites** for Contentful's visual builder workflows using Playwright.
- **Technologies Used: Next.js, TypeScript, Playwright, Contentful CMS**

Eden City Development | *Next.js, React, Tailwind*

- Optimized asset loading and rendering for a high-end real estate platform, focusing on **SEO** and Core Web Vitals.
- **Technologies Used: Next.js, React, Tailwind CSS, Framer Motion**

Technical Skills

Languages: **TypeScript, JavaScript (ES6+), Java, Python, HTML5, CSS3**

Frontend: **Next.js 16, React 19, Three.js, Tailwind CSS v4, Zustand, Storybook, Redux**

Backend: **Node.js, NestJS 11, Express, GraphQL, REST API, Socket.io, BullMQ, Redis**

Databases & ORM: **PostgreSQL, Supabase, Drizzle ORM, MongoDB Atlas, Prisma**

Cloud & DevOps: **AWS (S3, CloudFront), Docker, Nx Monorepo, GitHub Actions, CI/CD, pnpm**

Achievements and Awards

IEEEExtreme 18.0 Competitive Programming

Oct 2024

- Achieved an **Island Rank of 37** (Sri Lanka) and a Global Rank of 529 in a 24-hour global coding challenge.

Yarl Geek Challenge — Junior

2020 – 2024

- Participated in 5 seasons; recognized as a **Zonal Winner** and earned **5x Merit Awards** for innovative tech projects.

Certifications

Postman Student Expert | *Postman*

2024

Problem Solving (Intermediate) | *HackerRank*

2024

React (Basic) | *HackerRank*

2023

Responsive Web Design | *FreeCodeCamp*

2022

JavaScript Algorithms and Data Structures | *FreeCodeCamp*

2022

Volunteering Experience

Yarl IT Hub

Community Volunteer

Mar 2020 – Present

Jaffna, Sri Lanka

IEEE Computational Intelligence Society (IIT Chapter)

Webmaster

Dec 2024 – Dec 2025

Colombo, Sri Lanka

GirlScript Summer of Code

Campus Ambassador

Sep 2024 – Oct 2024

Remote