SANKALPA FERNANDO

FULLSTACK SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Passionate Full-Stack Engineer skilled in Next.js, React, Node.js, and PostgreSQL. Experienced in building scalable, high-performance applications and designing RESTful/GraphQL APIs. Enthusiastic about learning new technologies, experimenting with innovative solutions, and creating usable products. Proven leadership in leading teams, managing technical initiatives, and delivering user-centric solutions. Thrives in fast-paced environments, focused on building efficient and maintainable applications.

WORK EXPERIENCE

Intern Software Engineer | 2020 Jul - 2020 Oct
BetaLaunch Pvt. Ltd., Australia (Remote)

- Worked in an Agile environment, contributing to the Whitebox project used by Australian NGOs, focusing on new feature development and system enhancements.
- Developed a robust email automation system and other features using React.js, Node.js, and MySQL, gaining valuable experience in full-stack development and backend integrations.

ACADEMIC HISTORY

Bsc. (Hons.) Computer Science | 2021 - Current
University of Jaffna, Sri Lanka

- Current GPA: 3.94
- First Year Dean List

Diploma in Computer Science
Edith Cowan University, Australia

Diploma in Software Engineering
Pearson Certification

VOLUNTEER EXPERIENCE

Chairperson | 2024
IEEE Student Branch of University of Jaffna

- Leading and managing the IEEE Student Branch, driving technical initiatives, events, and community engagement. Organizing workshops, hackathons, and projects to foster student development and enhance technical skills.

President | 2023 - Current
Computer Society of Sri Lanka GenZ, UoJ

- Spearheading the activities of the CSSL GenZ chapter, coordinating events, and fostering collaboration between students and professionals in the tech community.

Project Lead | 2025
Codeathon Jr.

- Leading the Codeathon Jr., a hackathon targeted at school students in Jaffna, funded by the TryEngineering grant.
- Organized and conducted a session for the students, encouraging innovation and providing real-world web and software development challenges.

Project Lead | 2024
YarlInsight, Summer School in SE

- Led the Yarl Insight project, a Summer School on Software Engineering event hosted by the IEEE Student Branch of the University of Jaffna.
- Developed the official website for the event, funded by IEEE Young Professionals, to provide valuable resources and information to participants.

Project Lead | 2025
Polonnaruwa Water Filteration Project

- Serving as the Project Lead and Co-applicant for the grant ($9000) for the Polonnaruwa Water Filtration Project, aimed at providing sustainable clean water solutions to School in Polonnaruwa.

PROJECTS

Project Lead | 2024

www.shilpa.live

- A platform designed to help university-bound students explore degree programs, view course details, and make informed decisions. Built with Next.js, Supabase, GraphQL, and PostgreSQL, featuring university/course pages, z-score cutoffs, course lookup, and a personalized course compass.

Developer | 2024

www.yarlinsight.me

- Developed the official website for the Yarl Insight summer school event, the platform provided essential information and resources to participants, utilizing TailwindCSS with Preline UI and deployed on GitHub Pages.

Developer | 2022

algo-viz-dev.vercel.app

- Developed AlgoViz, an algorithm visualization platform, using Next.js to help users visualize and better understand various algorithms in an interactive way.

TECHNICAL SKILLS

- Nextjs.
- Reactjs
- Nodejs
- GitHub Actions
- GitHub
- ExpressJs
- Typescript
- TailwindCSS
- Linux Command Line
- Redux
- Zustand
- Python
- PostgresSQL
- Supabase