

# THARSIKAN SATHASIVAM

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 [LinkedIn](#) |  [GitHub](#) |  [tharsikan.works](#)

Results-driven Full Stack Developer with 1.5+ years of experience building scalable, maintainable web applications. Specialized in **Next.js**, **Spring Boot**, and **NestJS** with a strong foundation in both frontend and backend development. Proven ability to deliver performant, type-safe applications using modern tools such as **trPC**, **Zustand**, and **Prisma**. Eager to solve real-world problems through clean architecture, Agile practices, and CI/CD. Seeking to contribute to a collaborative, high-impact team.

## WORK EXPERIENCE

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### full stack developer Intern

April 2024 – May 2024

Janashakthi Group | Colombo

- Developed and maintained responsive front-end interfaces using **Next.js** and **React.js**, improving load time and user experience across internal web applications.
- Built reusable UI components and implemented state management with **TypeScript**, enhancing maintainability and reducing bugs.
- Collaborated on full-stack applications using the **MERN Stack (MongoDB, Express, React, Node.js)**, contributing to APIs and back-end logic for business modules.
- Integrated RESTful APIs and handled authentication flows, improving security and data handling across the platform.
- Participated in daily Agile standups, sprint planning, and code reviews, gaining hands-on experience in team collaboration and version control using **Git**.
- Migrated legacy codebases to **Next.js with TypeScript**, improving code structure and performance across key applications.
- Optimized front-end performance using lazy loading, code splitting, and SEO enhancements in **Next.js** projects.
- Wrote unit and integration tests using **Jest** and **React Testing Library**, increasing code reliability and reducing regression issues during deployments.

### full stack developer Intern

May 2024 – May 2025

TWC Innovations | Colombo

- Developed full-stack applications using **Next.js with TypeScript**, integrating advanced routing, server-side rendering, and dynamic API routes.
- Integrated **NextAuth.js** for secure and scalable authentication, enabling OAuth and credential-based sign-ins with robust session management.
- Built and consumed scalable APIs using **trPC**, enabling type-safe communication between the frontend and backend without boilerplate code.

- Implemented **Stripe** for payment processing, including checkout flows, webhooks, and subscription management, ensuring secure and reliable transactions
- Managed global and local state efficiently with **Zustand**, improving application performance and developer productivity.
- Designed and validated complex forms using **React Hook Form** and **Zod**, ensuring high form accuracy and user input validation.
- Implemented UI/UX using modern component libraries including **shadcn/ui**, **Headless UI**, and **Material-UI**, delivering accessible and responsive interfaces.
- Utilized **PostgreSQL** with **Prisma ORM** for efficient database modeling and queries, and integrated **Redis** for caching and performance optimization.
- Configured CI/CD pipelines with **GitHub Actions**, Dockerized the applications, and deployed projects on **Digital Ocean** for scalable production environments.
- Ensured frontend and backend code quality using **ESLint**, **Prettier**, and wrote end-to-end tests with **Playwright** to maintain robustness during development cycles.

## CERTIFICATIONS

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**Meta Front-End Developer**

[View credentials](#)

**Spring - Ecosystem and Core**

[View credentials](#)

## EDUCATION

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**Higher National Diploma in IT**

Institute of Technology, University of Moratuwa

Sep 2021 - May 2025

**BSc (Hons) in Computer Science**

University of Bedfordshire (Sri Lanka Campus)

June 2025 - Present

## Technical Skill

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**Languages :** Java, TypeScript, Go lang, Sql, Python, HTML, CSS, JavaScript, Php

**Database :** MongoDB, MySQL, PostgreSQL, Prisma

**Frameworks :** Spring Boot, NextJs, ReactJS, Node.js, Express.js, Tailwindcss, NestJs, React Native

**Backend Tools & APIs :** Redis, Strapi, Trpc, Rest api, GraphQL

**Technologies:** Linux, Docker, CI/CD, AWS, WordPress, Figma, DigitalOcean, CloudFlare

**Developer tools :** Visual Studio Code, Android Studio, IntelliJ IDEA, Os(Debian- Parrot os)

## Professional Skills

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Backend Development | Scripting | Project Management | Communication | Leadership | Time Management  
| Adaptability | Problem Solving | Teamwork | Creativity