

# NATHIJA NIMANTHA JAYASINGHE

## FULL STACK SOFTWARE ENGINEER

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### SUMMARY

**Full Stack Software Engineer** with practical experience in modern **web and mobile development**. Proficient in **JavaScript, TypeScript, React, Flutter**, and backend technologies such as **Node.js, Python**, and **Spring Boot**. Completed intensive **software engineering training** and contributed to **production-level projects** in a trainee role. Passionate about building **scalable, user-focused applications** and currently expanding knowledge in **machine learning**. Strong **problem-solving skills** and a solid background in **project management** and **cross-functional teamwork**.

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### PROFESSIONAL EXPERIENCE

#### Trainee Software Engineer - SYIGEN (Pvt) Ltd

December 2024 – June 2025

- Contributed to company and client projects across the full **SDLC**.
- Worked in roles such as **BA, QA, TL**, and **PM**, gaining cross-functional exposure.
- Assisted in **project planning, testing**, and **documentation**.
- Supported frontend and backend tasks with **React, Next.js, Flutter, Node.js**, and **Python**.
- Participated in **Agile/Scrum ceremonies** and **team coordination**.

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### PROJECTS

#### SAFE App (Syigen) – A mobile and web platform for reporting human-elephant conflicts.

- Built a cross-platform **Flutter** app and **React** registration site with **Supabase** backend.
- Designed user-friendly interfaces using **Figma**.
- Enabled **real-time reporting of human-elephant conflicts** for community awareness.

#### Doc Manager (Syigen) – An AI-powered legal document management and mind map system.

- Contributed to an **AI-based mind map generator** with **Next.js, React Flow**, and **FastAPI**.
- Integrated as a service into a document management platform built with **Laravel & MySQL**.

#### Nimantha Tours – A full-stack booking and tour management web application.

- Developed a tour management platform with **React, TypeScript, Node.js**, and **Prisma**.
- Deployed on Ubuntu with focus on performance and responsive design.

#### Generative AI for Etsy – An AI assistant for automating e-commerce content creation.

- Built with **FastAPI, Python**, and **Next.js** for Etsy sellers.
- Automated SEO tags, product descriptions, and marketing content, reducing manual effort.

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### TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python, SQL, HTML, CSS
- **Frameworks & Libraries:** React, Next.js, Angular, Flutter, Laravel, Node.js
- **Backend & APIs:** FastAPI, RESTful APIs, Spring Boot
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Tools & Platforms:** Git, GitHub, Docker, Postman, Vercel, Netlify
- **Other:** Agile/Scrum, CI/CD

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### EDUCATION

#### Institute of Computer Engineering – Panadura

Feb 2024 – Nov 2025

Full Stack Software Engineering Program

#### Kalutara National School – Kalutara

Mar 2017 – Aug 2019

G.C.E A/L – Physical Science