

Thuvarahan Thayalan

Software Engineering Intern

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Summary

IT undergraduate at the University of Moratuwa with hands-on experience building and deploying full-stack web applications using React, Next.js, Spring Boot, and AWS. Experienced in end-to-end product development through freelance client work and team-based projects. Actively developing skills in backend systems and scalable application development.

Education

Bachelor of Science Honors in Information Technology (GPA: 3.6) *Mar 2024 – Present*
University of Moratuwa

SLIM Professional Certificate in Marketing, Digital Marketing *May 2025 – Aug 2025*
Asia Chartered Institute of Digital Marketing (ACIDM)

G.C.E. Advanced Level (Z-Score: 1.6843) & Ordinary Level (9A) *2009 – 2023*
St. Michael's College National School, Batticaloa

Technical Skills

- **Languages:** Java, JavaScript, C, SQL
- **Frontend:** React, Next.js, React Native
- **Backend:** Spring Boot, REST APIs
- **Databases:** PostgreSQL, Supabase
- **Cloud & DevOps:** AWS, Vercel, Netlify
- **Dev Tools:** Git, GitHub, Docker, CI/CD, VS Code, IntelliJ IDEA
- **Design:** Figma, Canva, Lucidchart, Adobe Illustrator, Adobe Photoshop, Adobe Premiere Pro
- **Spoken Languages:** Tamil (Native), English (Full Professional), Sinhala (Professional Working)

Projects

Planora — A cross-platform project-management app [Live Demo](#) | [🐙 Git Repo](#)

- Built core modules of a cross-platform project-management system, including the dashboard, project creation flow, reporting page, and analytics workflows.
- **Contribution:** Built the dashboard analytics, reporting, and project summary workflows, integrating frontend interfaces with RESTful backend services; implemented PWA capabilities for cross-device access as part of a development team for a Level 02 Software Project with Axzell Innovations.
- **Tech:** React, React Native, Next.js, Spring Boot, PostgreSQL/Supabase, AWS, PWA

Vetworld — Veterinary equipment e-commerce platform [Live Demo](#) | [🐙 Git Repo](#)

- Designed, developed, and deployed a production e-commerce platform for Vetworld Private Limited as a freelance project, independently owning frontend, backend, database, and cloud deployment.
- Built product catalogue, product-detail, enquiry, and admin workflows using Next.js and Spring Boot REST APIs, with Supabase (PostgreSQL) data models and AWS-based deployment.
- **Tech:** React, Next.js, Spring Boot, PostgreSQL/Supabase, AWS, Vercel

PowerHub — Smart power management system

Faculty of IT, UoM

- Designed and developed a microcontroller-based programmable regulated power supply (0–12V, 0–2A) with integrated UPS backup and solar charging, for a Level 01 Hardware Project.
- Implemented web-based control and real-time monitoring across multiple output modules (USB, Li-ion charging, banana ports), with battery safety via a Battery Management System (BMS) – designed for portability, bridging the gap between expensive lab-grade equipment and basic portable power stations.
- **Tech:** Microcontroller, Embedded Systems, IoT, BMS, Solar Charging

Experience

Freelance Full Stack Developer — Self-Employed, Remote

2024 – Present

- Independently designed, developed, and delivered two production web applications end-to-end – **Vet-world** (veterinary e-commerce platform) and **Physics Cube Academy** (pca.lk) – single-handedly owning requirements, UI/UX, backend, database, and deployment for freelance clients.
- Built Vetworld’s product catalogue, product-detail, enquiry, and admin workflows using **Next.js** and **Spring Boot REST APIs**, with **Supabase (PostgreSQL)** data models and **AWS**-based deployment (frontend hosted on Vercel).
- Directly managed client communication and requirements gathering for both engagements, providing post-launch support and maintenance.

Courses and Certifications

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|---|----------------------------------|
| • Advanced Certificate in Java Programming | ITDLH, Ministry of Education |
| • Introduction to Python & Web Design | Open UOM, University of Moratuwa |
| • AWS Fundamentals | AWS, Coursera |
| • DevOps, Cloud, and Agile Foundations Specialization | IBM, Coursera |
| • Cloud-Native Development with OpenShift and Kubernetes Specialization | Red Hat, Coursera |
| • Meta Full-Stack Developer | Meta, Coursera |

Volunteering

- **IEEE PES Student Branch Chapter, UoM** – Creative Designer: designed flyers, promotional videos, and media content for chapter events and campaigns.
- **MoraSpirit & FIT Moments, UoM** – Photographer: covered university sports events and IT faculty activities, capturing key moments for official publications.
- **Tamil Literary Association, UoM** – Media Specialist: produced media coverage for Tamil student events at the university.

References

Ms. M. N. Chandimali

Lecturer

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Ms. Thushitha Manokaran

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