

Zay Yar Tun

Software Engineer

+65 9778-0124

zyt.tharthar@gmail.com

www.zayyartun.com

www.linkedin.com/in/zayyartun2025

PROFILE SUMMARY

Highly motivated and detail-oriented **final-year Diploma in Information Technology** student studying at Singapore Polytechnic. Passionate about problem-solving, optimizing user experiences, and implementing efficient code structures. Eager to contribute technical skills and creativity to a fast-paced development team.

WORK EXPERIENCE

Information Technology Application Engineer Intern
IST SG PTE. LTD.

Mar 2024 – Jan 2025

- **Engineered and deployed** a full-stack Remote Alert system, seamlessly integrating it with the Nurse Call System to enhance emergency response efficiency.
- **Developed and launched** a **Remote Alert mobile application** using **React Native**, enabling real-time notifications for healthcare providers.
- **Guided and mentored** an intern in **QA testing and device configuration**, ensuring strict adherence to client requirements and industry standards.
- **Executed comprehensive QA testing, configuration, and maintenance** for the **Nurse Call products**, ensuring optimal performance and reliability.

Technologies Used: React, React Native, Node.js, Express, PostgreSQL

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java, HTML, CSS
- **Frameworks & Libraries:** React, Next.js, Node.js, Express.js, Shadcn UI, Tailwind CSS, React Native, Electron.js, Spring Boot, Flask
- **Databases:** SQL Server, MySQL, MongoDB, Firebase, PostgreSQL
- **Tools & Platforms:** Git, GitHub, Docker, AWS, Render, Figma, Vercel

EDUCATION

Diploma in Information Technology (cGPA: 3.9)
Singapore Polytechnic

Apr 2022 – Present

- Recipient of the Director's Honour Roll for AY22/23 and AY23/24, awarded by the School of Computing for academic excellence.
 - Pursuing a **Minor in 5G and Artificial Intelligence of Things (AIoT)** to deepen expertise in next-generation connectivity and intelligent systems.
 - Developed **hands-on expertise** in full-stack web development, database management, mobile application development, and AWS cloud fundamentals.
-

PROJECTS (More can be found on my portfolio website)

1. Elderly Fall Detection System

Feb 2025

Technologies used: Python, TensorFlow, Flask, MySQL, Node-RED

- Designed and developed an AI-powered fall detection system to monitor and detect falls among elderly residents using computer vision.
- Collaborated with a team of three to build the system as part of a school project, leveraging machine learning for real-time fall detection.

2. Daily Hype Clothing Ecommerce Platform

Nov 2023 – Feb 2024

Technologies used: Next.js, TypeScript, Node.js, Express.js, Tailwind CSS, PostgreSQL, Redis

- Developed a full-stack e-commerce platform for an online clothing store.
 - Collaborated with a team of five to design and implement the platform as part of a school project.
-

LANGUAGES

- English: Professional working proficiency
- Burmese: Native proficiency
- Chinese: Limited working proficiency