

WAI YAN AUNG

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<https://redx-portfolio.vercel.app>

Profile

Results-driven IT Developer with expertise in web application development, eager to apply my technical skills and hands-on experience to drive success within an innovative IT team. Passionate about leveraging cutting-edge technologies and a collaborative mindset to enhance team performance and deliver impactful solutions.

Experience

BitCare, Singapore

2024 Mar - 2025 Jan

IT Application Engineer

- Developed Alert Alarm System to connect the local network nurse call devices to reach the alarm on mobile phone (React Native) and website (NextJS and TailwindCSS).
- Developed Inventory System to manage the nurse call devices for warranty check, automated data entry to database and data manipulation and management with the accessibility of different roles.
- Significantly reduce the company operating expenses by doing market research and proposal for selecting different tier for AWS EC2 Instances and S3 buckets.
- Manage website design, content, DevOps, branding and design logos.
- Worked with the configuration and setup of nurse call system devices and make the market research for compliance of Europe market (HTM Compliance).

Freelancer

2024 – Ongoing

- Developed Note Taking and Diary Android App with Java and SQLite (in 2 days)
- Developed Hotel Booking Management System with HTML, CSS, Django and MySQL (in 2 days)
- Developed School Management System with RestAPI, Prisma and hosted with Microsoft Azure using GitHub Action (in 4 days)
- Developed Home Energy Saving Prototype using C++ with Microcontroller Board (in 2 days)

Achievement

Third Prize in Seed Code League Competition

2023

- Singapore Polytechnic

Education

Singapore Institute of Technology

2025 Sep- Ongoing

- Bachelor of Science in Applied Artificial Intelligent

Singapore Polytechnic, Singapore

2022 Apr-2025 May

- Diploma in Information Technology (Software Development Track)
- Minor in 5G & Artificial Intelligence of Things
 - Developed DailyHype Ecommerce website with NextJS, TailwindCSS and PostgreSQL with application of Software Development Life Cycle
 - Learned and applied OWASP Top 10 security
 - Developed frontend responsive portfolio with Bootstrap and Javascript
 - Developed DVD store website with Express
 - Developed Book store with Java and Apache Tomcat server integrated with AWS
 - Developed Productivity Mobile Application including Snake Game and Tic Tac Toe with React Native and

Firebase ○ Developed Low Code Food Waste Reduction Project with Mendix Studio and MySQL Workbench(Sample Project in class for next term)

Skill

Frontend

- HTML, CSS, Bootstrap, ReactJS , NextJS, TailwindCSS **Backend**
- Node.js, Express.js, SpringBoot, Java

Database Management

- MySQL Workbench, PostgreSQL, MongoDB, Redis, Microsoft SQL Server

Mobile App Development

- Android Studio, React Native