



Thura Nyi


SOFTWARE DEVELOPER

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Carrer Summary

I am an accomplished Software Developer with a robust track record in complex real-time web development, including CMS websites integrated with three databases, e-commerce platforms, and real-time Android applications. My skills extend to seamless frontend integration with embedded systems, local server hosting on Raspberry Pi using Node.js, MongoDB, and Nginx with PM2 for reliability. I'm also well-versed in React Native for creating advanced point-of-sale (POS) software and proficient in managing instances on AWS for scalability. My experience and capabilities form a solid foundation for tackling diverse and demanding development projects.

Recent Project Summary

Portfolio with next.js

I have developed my portfolio using Next.js, TypeScript, and Framer Motion to showcase my projects and skills, incorporating the latest web design principles for a user-friendly experience

Fullstack pizza ecommerce

I specialize in full-stack development using Next.js, TypeScript, and MongoDB, creating server-side applications for a comprehensive full-stack experience

Real-Time FMS Handle POS Android Application,

This project aims to control dispensers and nozzles through the POS system, with automatic voucher printing based on customer preferences. The application also features charts depicting daily sales.

Microservices architecture

Implementing a microservices architecture with four servers connected via an API gateway, each supported by its dedicated MongoDB database, to ensure optimal server performance.

Professional Experience

Digital Engineering Tech

Dec 2022 - Dec 2023

FullStack Developer

- Assigned to work on the fullStack web Development for IOT projects or FullStack web Development mainly using React, TypeScript, Next.js, CSS Libraries for frontend and Node.js, Express.js, Redis, MongoDB for backend.
- Responsible for developing android apps and handle POS apps with React Native.
- Working with project manager for new features and update websites on AWS instance.
- Local server configuration with SSH, PM2 and Nginx.
- Assigning tasks to junior developers for implementing new updates and features and testing APIs of the backend developer to ensure functionality.

Education

University of Computer Studies

Dec 2019

I joined the University of Computer Studies in 2019 and took computer science as my specialization after I passed the matriculation exam.

Pakokku, Myanmar

Skills

HTML, CSS, JavaScript, Bootstrap, Tailwind, Prime React, Framer Motion, React.js, Next.js, React Native, QT Designer, TypeScript, Redux, Figma,

Node.js, Express.js, MongoDB, SQL, Redis, JsonWebToken, Docker, Nginx, SSH, PM2, MQTT, AWS, Z.com, Swagger, Raspberry Pi, Banana Pi, Git & GitHub, Flowchart

Soft Skills

I thrive under pressure, using it as a catalyst for personal and professional growth. My eagerness to acquire new skills is matched only by my dedication to contributing to the company's success. I am a motivated team player, driven by the collective goals and the synergy of collaborative efforts. In my interactions with senior colleagues, I approach with respect and a willingness to learn. My work ethic is marked by unwavering diligence and proactive commitment, ensuring the consistent delivery of top-tier results.

Some Project

Smart Home Project, *company Project, Web App Platform*

- Frontend development for an IoT web application. My role involves designing a unified web frontend UI for controlling ceiling lights, AC, and fans. I focus on providing a responsive web design and creating a visually appealing UI.
- I collaborate with a backend developer, embedded developer, and UI/UX designer for the development process.
- I primarily use Next.js, TypeScript, Redux and Tailwind for development.
- This project involves connecting a web UI with embedded devices to facilitate easy and secure control. I've gained a deep understanding of how the frontend can significantly enhance user experience and accessibility.

Smart Water Controller, *company Project, Web App Platform*

- In another IoT project, I connect a web UI with a compressor. My role is to display the remaining water level in the user's tank and send alert notifications when the water level rises.
- I collaborate with the backend developer, project manager, and embedded developer to manage the project. I am actively involved as part of the backend team.
- I use React.js, TypeScript, Redux, Tailwind, Websocket, Real time protocol and express.js for project.
- I have learned how websockets function and gained an understanding of backend operations.

Fuel Management System, *company Project, Web App Platform*

- This project is extensive and comes with significant responsibilities. My role as a full-stack developer involves ensuring the smooth operation of the website, which is currently running with nine fuel stations and has the potential to scale up to 90 stations. The website handles a daily flow of 1000 data inputs.
- I collaborate with another backend developer and two embedded developers. They send data from the dispensers, and my responsibility is to handle and display this data for MainCom, Users, and MOEE.
- I use React.js, Tailwind, Redux, Framer Motion and Prime React for frontend and Node.js, Express.js, Redis, Mogodb, AWS, Z.com and Git & GitHub
- I have learned a lot.

Real-Time FMS Android Application, *company Project, Android App Platform*

- This is an Android tablet application for fuel management, designed to oversee and control dispensers and nozzles at the station. The app can display precise measurements up to three decimal places for both liters and prices. The station manager can monitor the total sales and exercise control over the cash register accounts for the station.
- I develop this application all by myself.
- I use ReactNative, Expo, Redux, Expo Print, Tailwind and Git & Github.
- I learned Application development.

Real-Time FMS Installer Android Application, *company Project, Android App Platform*

- This project involves developing an FMS setup application to establish connections between dispensers, nozzles, and the server. It includes configuring accounts and performing initial data setup on the server.
- I develop this application all by myself.
- I use ReactNative, Expo, Redux, Tailwind and Git & Github
- I have learned how my application can control hardware devices and implement time management functionalities.

Real-Time FMS Handle POS Android Application, *company Project, Android App Platform*

- This project aims to control dispensers and nozzles through the POS system, with automatic voucher printing based on customer preferences. The application also features charts depicting daily sales.
- I developed this app on my own and updated the server API as required. I collaborated with the project manager to add functions and plan for future updates.
- I use ReactNative, Expo, TypeScript, Tailwind , Node.js and Express.js
- I have learned how POS handling works and how to enable printing from the POS. This marks a significant milestone in POS development, encompassing both server and frontend aspects.