

THET LIN HAN

SOFTWARE ENGINEER (WEB, MOBILE)

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PROFILE

A frontend focused Software Engineer with almost 4 years of experience building scalable web and hybrid mobile applications within Agile, product-driven environments. Currently working at Carro (A Southeast Asia Unicorn), delivering high-performance platforms using JavaScript (ES6+), TypeScript, React, VueJS, React Native, Next.js and PHP. Experienced in translating complex business requirements into maintainable, production-grade frontend systems. Actively involved in tooling evaluation, frontend architecture decisions, and engineering practice improvements across multiple product teams, including FMS, CarroCare, CDP, and SSO platforms.

Strong advocate of test-driven development and quality engineering, with hands-on experience implementing unit, integration, and end-to-end testing strategies. Collaborate closely with QA, backend engineers, and product stakeholders to ensure reliable releases, scalable design patterns, and efficient CI/CD workflows.

Recognized for problem-solving ability, proactive risk identification, and contributing to cross-functional decision-making in fast-paced Agile environments.

PROFESSIONAL EXPERIENCE

Software Engineer 2 (Frontend), Carro
Bangkok, Thailand

Dec 2023 to Present

Promoted within one year in recognition of strong ownership, cross-team impact, and consistent delivery in a fast-paced, product-driven environment.

- **Floorstock Management System (FMS)**
 - A large-scale internal platform supporting inventory, pricing, and operational workflows across multiple Southeast Asia markets.
 - Contributed as a core frontend engineer to scalable, multi-country workflows used daily by internal operations teams.
 - Designed reusable UI and state management patterns to support complex, form-heavy and data-intensive business flows.
 - Improved maintainability and feature delivery speed by introducing modular architecture and shared component systems.
 - Optimized rendering, asset loading, and data-fetching strategies to improve performance and user experience across high-volume usage scenarios.
- **Carro Single Sign-On (CarroSSO)**
 - A unified authentication platform enabling secure and seamless access across Carro's ecosystem globally.
 - Contributed to the development of authentication SDKs and login flows using **React and TypeScript**, implementing QR-based login, passkey (WebAuthn), and embedded WebView authentication with OAuth2 standards.
 - Built internal dashboards and developer documentation portals to improve platform adoption and onboarding across product teams.
 - Strengthened platform reliability by introducing structured end-to-end testing with **Playwright**, significantly improving system stability and release confidence.
 - Enhanced system security, performance, and UX by optimizing authentication flows and token handling, improving login efficiency across multi-nation environments.
 - Integrated unit and E2E testing into **CI/CD pipelines**, ensuring scalable releases and long-term maintainability.
- **CarroID Mobile Application**
 - A cross-platform mobile identity product built on top of Carro's Single Sign-On ecosystem.
 - Led the end-to-end development, deployment, and long-term maintenance of the CarroID mobile application using **React Native and Expo**, ensuring seamless integration with the broader authentication platform.
 - Delivered core features such as QR-based login, tap authentication, and unified user profile, significantly improving login efficiency across internal and customer-facing systems.
 - Designed and implemented secure and scalable mobile authentication flows aligned with web-based OAuth2 and passkey architecture.

- Established and optimized **CI/CD pipelines powered by GitHub Actions and Expo tooling**, enabling faster releases, automated builds, and improved delivery reliability.
- Improved cross-platform consistency and developer efficiency by aligning mobile and web authentication architecture.
- **Customer Data Platform (CDP)**
 - A data-intensive platform enabling centralized customer insights across the Carro group.
 - Contributed as a core developer to large-scale, data-heavy dashboards and workflows.
 - Collaborated with cross-functional teams across Singapore, Vietnam, and Malaysia to deliver scalable and reliable user-facing features.
 - Built optimized data visualization and state management solutions for high-volume datasets.
- **CarroCare (After-Sales Services)**
 - A customer-facing mobile application supporting workshops, bookings, vouchers, and payments for Carro's Malaysia market.
 - Played a key role in delivering core features using **React Native and Expo** under tight timelines and evolving product requirements.
 - Built scalable and user-friendly mobile flows for service booking, payment, and voucher management, improving customer engagement and operational efficiency.
 - Worked closely with distributed teams across Malaysia, Singapore, and Vietnam to ensure timely and high-quality releases.
 - Demonstrated strong adaptability and cross-functional communication in fast-changing product environments.
- **Business Process Engine (BPE)**
 - An internal, highly customizable workflow platform used to automate and orchestrate business operations across Carro.
 - Contributed to core workflow features using **VueJS**, including dynamic process configuration (recipes, steps), activity logging, comments, and extensible business rules.
 - Designed and implemented scalable and reusable workflow modules adaptable beyond automotive use cases.
 - Improved maintainability and flexibility of complex, step-based operational flows through modular and component-driven architecture.
- **Performance, Accessibility, and Engineering Quality**
 - Improved performance and accessibility across multiple platforms by implementing asset optimization, rendering improvements, and accessibility (a11y) best practices.
 - Strengthened engineering quality through structured testing strategies, CI/CD improvements, and collaborative code review culture.
 - Actively contributed to architecture discussions, tooling evaluations, and frontend best practices to support long-term scalability.

Javascript Developer, DSS Corp (High Ground)

Jun 2022 to Nov 2023

Yangon, Myanmar

Promoted to Senior Associate and recognized as Rookie of the Year (2022) for early impact and leadership contribution.

- Built and delivered production-grade web and hybrid mobile applications using React and React Native for Korean clients.
- Developed scalable HR systems, B2B admin dashboards, and cross-platform applications that supported real business workflows.
- Collaborated directly with product owners and stakeholders to translate complex business requirements into intuitive, high-performance UI solutions.
- Improved code quality and maintainability through structured code reviews and frontend standards.
- Mentored frontend interns and junior engineers, accelerating onboarding and reinforcing clean architecture and testing practices.
- Contributed to project planning, estimation, and risk identification, improving delivery predictability and stakeholder confidence.

Frontend Developer, Mint

Jun 2022 to Jul 2022

Yangon, Myanmar

- Customized and extended a Moodle-based university learning platform to improve usability, flexibility, and feature scalability.
- Implemented UI enhancements using HTML, SASS, JavaScript, and PHP to deliver a more modern and responsive user experience.
- Extended native platform capabilities to support evolving academic and administrative needs.

EDUCATION

University of Central Lancashire (UCLan)
Bachelor's Degree in Business Information Technology

Jun 2022 to Mar 2026

- GPA (4.0)
- Dean's List – Achieved distinctions in all subjects throughout the whole academic years

University of Information Technology
B.C.Sc. (Software Engineering), Yangon
First-year dropout

Nov 2020 to Mar 2021

AREAS OF EXPERTISE

Web development Mobile app development Frontend development Problem solving

TECHNICAL PROFICIENCIES

Programming Languages: JavaScript (ES6+), TypeScript, PHP, Python
Frontend Development: ReactJS, VueJS, NextJS, SolidJS, CSS, SASS, PostCSS, Vite
Mobile Development: React Native, Flutter
Backend & APIs: Node.js, Express.js, Yii2, RESTful API Integration
State Management & Data Handling: Redux, Context API, Client-Side Caching Strategies
Testing & Quality Engineering: Playwright (End-to-End Testing), Jest, React Testing Library, Unit testing, Integration testing, Test Driven Development (TDD)
DevOps & Tooling: Git & Github actions, CI/CD Pipelines, Expo SDK, Firebase, Cloudflare
Engineering Practices: Agile/Scrum, Clean Architecture, Performance Optimization, Code Review Culture, Scalable Frontend Patterns, Cross-Functional Collaboration

LICENSES & CERTIFICATIONS

CS50x, Harvard University
FullstackOpen@ 2021, FullstackOpen

LANGUAGES

English

ADDITIONAL EXPERIENCE

ReactJS Intern , NK Software house
Yangon
Worked on a delivery system in ReactJS.

Mar 2022 to Jun 2022