

Htet Phyo Naing

Full Stack Software Engineer

Myanmar | Remote

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Full Stack Software Engineer with 5+ years of experience building scalable web applications, real-time systems, and enterprise-grade platforms across Singapore, China, and Myanmar. Proven track record delivering government systems, video streaming platforms, ride-hailing APIs, and multi-role SaaS dashboards. Strong background in system design, performance optimization, and cross-functional team leadership. [ITPEC](#) FE certified.

SKILLS & EXPERIENCE SUMMARY

- **Frontend:** TypeScript, React, Next.js, Redux, React Query, Tailwind CSS, Shadcn/UI
- **Backend:** Node.js, Express, NestJS, Golang (Gin, Echo), Java Spring Boot, Superbase
- **Database:** MySQL, PostgreSQL, MongoDB
- **Architecture:** REST APIs, GraphQL APIs, Microservices, WebSockets, Monorepo, gRPC
- **Mobile:** React Native
- **Cloud & DevOps:** Docker, Nginx, Apache, AWS
- **Map & Geo:** Mapbox, Leaflet, OpenStreetMap
- **Payments:** Stripe Checkout, Stripe Connect, PayPal APIs
- **Streaming:** NxWitness, Dacast
- **Testing:** Cypress, Jest
- **Tools:** Git, Figma, Storybook, Adobe XD, VSCode, IntelliJ Ideas, NetBeans, Eclipse, Notepad++, FileZilla

PROFESSIONAL EXPERIENCE

01/01/2026 to 30/03/2026 : Self-employed
Designation : Full Stack Software Engineer
Project : Money Exchange (MEX) SAAS
Links : <https://mex.mrhpn.com>, <https://platform.mex.mrhpn.com>

Responsibilities in Details

- Designed and developed a multi-tenant Money Exchange SaaS platform for exchange shops to operate under isolated tenant accounts with role-based access.
- Re-architected and rewrote the core backend from the earlier application approach into Golang to achieve a cleaner service structure, stronger maintainability, and a more production-ready SaaS foundation.
- Built the backend using Golang, PostgreSQL, Gin, GORM and SQLC with modular domains for tenant operations, platform administration, billing, authentication, and business-day management.
- Converted the original money exchange product into a true SaaS model with tenant onboarding, subscription-based access control, billing history, platform-owner controls, and reusable deployment patterns.
- Built tenant-facing and platform-facing API flows, including login, refresh, logout, current session, tenant profile management, billing histories, and subscription actions.
- Implemented platform-owner features for tenant listing, tenant details, dashboard metrics, manual status transitions, and subscription lifecycle management.

- Designed and built billing and subscription flows for plan purchase, renewal, upgrade, downgrade, and payment recording with true financial reporting support.
- Added payment-history data modeling and dashboard revenue metrics based on actual collected amounts instead of only estimated MRR.
- Implemented secure authentication flows using JWT access tokens and httpOnly refresh-cookie patterns for both tenant users and platform users.
- Designed lifecycle rules for active, readonly, and suspended states, including manual platform controls and scheduler-ready domain structure for future automation.
- Built admin-only APIs for tenant profile updates, password change flow, and billing history retrieval with proper permission and tenant-state enforcement.
- Designed staging deployment architecture on AWS Lightsail using Docker, Docker Compose, Caddy, PostgreSQL, and same-VM hosting for API plus two React/Vite frontends.
- Configured domain-based staging delivery for tenant web, platform web, and API services with HTTPS and reverse-proxy routing.
- Prepared deployment guides, seed flows, operational scripts, and practical staging infrastructure to support real-user testing and future SaaS rollout.

04/11/2024 to 31/12/2025 : <https://www.youmiaso.com>
Designation : **Full Stack Software Engineer**
Location : **Remote**
Responsibilities : **Work on 2 projects**

CONTRIBUTED PROJECTS

Projects : **1. Live streaming platform,**
: **2. Social media app**
Location : **Remote**

Responsibilities in Details

1. Live streaming platform

- Worked on the development of the front-end using React and Tailwind CSS, Shadcn/UI to ensure a responsive, user-friendly interface.
- Utilized React Query for efficient data fetching, caching, and synchronization of data across components.
- Collaborated with the backend team to implement WebSocket for real-time video streaming and interactive features.
- Designed and implemented the front-end user interface for the whole client side, ensuring the platform was visually appealing, easy to navigate, and compatible with various screen sizes, performance for grid views using react virtualization.
- Developed key modules for user authentication, live video streaming via webcam and software (OBS), real-time chat, interactions (reactions and comments), channels, subscribers, bookmarking and security features like password security with 2FA.
- Later when the project was in mid-term, I was promoted as a leader to lead this project of 4 members of 2 teams (front-end & back-end) and also take part in developing the backend using Echo, a Golang framework, for building high-performance, scalable APIs for the streaming platform, reviewing members' PRs

2. Social media app

- Led the design process using Developed essential features, such as user profiles, post creation, and notifications.
- for the social media app, including crafting the layout, user flows, and visual design

elements, research market

- Focused on intuitive navigation, consistency, and modern aesthetics to enhance user engagement and satisfaction.
- Developed essential features, such as user profiles, profile completion, post creation, post visibility, community feed, tags management, locations, nearby friends, tagging, like and comment.

15/12/2023 to 27/09/2024 : **App.com.mm**
Designation : **Full Stack Software Engineer**
Location : **Remote**
Responsibilities : **Developing 2 fully-functional projects,**
1 in- progress project from scratch

CONTRIBUTED PROJECTS

Projects : **1. <https://ptscmm.com> (Fuel Transport Management System by Government),**
2. KiloTaxi APIs and Admin dashboard
3. GoeBin Travel (Flight Tickets Purchase/Booking)
Location : **Remote**

Responsibilities in Details

1. **Development** – Independently developed two projects simultaneously under tight deadlines based on urgent client requirements, led the development of the *GoeBin* admin dashboard and APIs, supporting both mobile and web platforms.
2. **UI Design** – Designed responsive and user-friendly UI/UX interfaces using Figma, translating designs into functional UIs.
3. **Module and Feature Developments** –
 - a. **PTSCMM.COM:**
 - Developed custom administrative panels with comprehensive user management for multiple roles (Terminal, AdminData, Admin, AdminBrowser, AdminStation, AdminAD, RegionalOfficer, SuperAdmin), supporting access control, onboarding, password management, and user activity tracking.
 - Implemented management systems for terminals, fuel stations, importers, fuel types, and purchase order types.
 - Developed processes for fuel transport permit applications, including multi-stage reviews, automated QR code and serial number generation, and exportable documents in PDF and JPG formats.
 - Built reusable, feature-rich components such as multi-select, searchable, filterable tables with pagination, and data lazy-loading.
 - Integrated reporting tools using ApexCharts for data visualization.
 - b. **KiloTaxi:**
 - Designed and developed a custom admin panel for managing drivers, routes, real-time kilo calculation, rush hours management, and real-time ride tracking, viewing near-by cars
 - Integrated a wallet system for driver top-ups, with transaction history tracking and financial reporting.
 - Implemented features for managing ride tariffs, additional services, and custom app settings (print formats, logos, thank you note etc.).
 - c. **GoeBin:**
 - Built a multi-role admin dashboard (Super Admin, Admin, Agent, Business

- Agent, Customer) with role-based access control and logging of user activities.
 - Integrated APIs for customer profile management, wallet top-ups, and agent deposits.
 - Integrated Global Distribution Systems (GDS) such as Amadeus and TravelPort for travel-related services.
4. **API Server & Integration** – Integrated third-party APIs, including Mapbox for mapping services, ApexCharts for interactive reporting, and GDS systems like Amadeus and TravelPort.
 5. **Testing & Quality Assurance** – Ensured reliability of systems through end-to-end and component testing using Cypress.
 6. **Version Control & Collaboration** – Git
 7. **Project Management** – Managed client requirements and showcased project deliverables using Viber for communication.
 8. **Technology Stack** – Used a consistent tech stack across projects, including Node.js, MySQL, TypeORM, Express, React, Tailwind CSS, and Shadcn/UI.

05/09/2022 to 30/11/2023 : Viatick Pte Ltd (Singapore)
Designation : Full Stack Software Engineer
Location : Remote
Responsibilities : Developing Fast & Reliable Internal-used Monitoring Systems

Responsibilities in Details

1. **UI Design** – Transform prototype & Figma Designs to working responsive UIs
2. **Module and Feature Developments** – Custom Administration Panels, User management - multiple roles (User, Super User and Admin) for different access controls, CCTVs live streaming, historical playback, custom video editor which includes time-trackbar and trimmer, custom video player which includes play, pause, rewind, forward, playback speed and seekbar, creating video bookmarks, downloading snapshots and bookmarks, custom file uploader, custom mapbox markers and popups, notification alerts, reports using ApexCharts, generating reports as PDF, reusable custom complex multi-select, searchable and filterable tables with pagination and rows-per-page filter, lazy loading data
3. **White Labeling** – Use Cookies and API for different company logos and brand colors
4. **API Server & Integration** – Integrate third party API's and data from Mapbox, NxWitness, ApexCharts and backend API server
5. **Testing** – To get reliable systems by using Cypress for e2e and component testing
6. **Version Control** – Git
7. **Project Management** – Trello for developments, developers meeting every morning and meeting with clients every Friday
8. Produce video recordings for end-user training

04/05/2022 to 31/08/2022 : CrossWork Pte Ltd [SkillUnion & Sistic - Singapore]
Designation : Full Stack Software Engineer
Responsibilities : Website Development using Wordpress CMS, Bug fixing, Implementing live video streaming, Historical playback and integrating payment methods
Location : Remote

CONTRIBUTED PROJECTS

Project : <https://skillsunion.com>
Company : <https://skillsunion.com> (Singapore)
Designation : Wordpress developer
Location : Remote

Responsibilities in Details

1. **UI Design** – Transform prototype & Figma Designs to responsive UIs using Wordpress
2. **Module & Feature Developments** – Responsive Navbar, Newsletter Template Design, App Logo Banner, Partner Logo component, User feedback slider, Content Calendar using The Events Calendar plugin, Customization The Events Calendar, 404 Not Found Page, Dynamic data filling for Z-layout UI from admin panel, redirecting to related social media
3. **Testing** – Cross browser testing and debugging for different browsers and operating systems using Virtual Box
4. Daily website maintenance
5. Project Management – Slack for developers, company meeting every Tuesday

Project : <https://lounge.sso.org.sg>
Company : <https://www.sistic.com.sg> (Singapore)
Designation : Full Stack Software Engineer
Location : Remote

Responsibilities in Details

1. **UI Design** – Transform prototype & UXPin Designs to working responsive UIs using React & Redux
2. **Module & Feature Developments** – Live video streaming and video on demand using dacast player, integrating payment methods using Drop-in payment for purchasing different passes, products details page, subscribing product, transactions page, like and live chat component, fixing UIs for responsiveness, restructuring project according to best practices, reusable components using storybook
3. **API Server & Integration** – Integrate third party API's and data from Dacast, Drop-in
4. **Testing** – To get reliable systems by using Jest, cross browser testing and debugging react-device-detect for different browsers and screen sizes - Safari, Firebox, Chrome, Microsoft Edge, and Opera
5. **Project Management** – Jira for developments, developers meeting every morning

03/01/2022 to 29/04/2022 : **Ninety Five Group Pte Ltd**

Project : <https://salesucceed.com> (Singapore)
Designation : Full Stack Web Developer
Responsibilities : Web Systems Integration & Development
Location : Remote

Responsibilities in Details

1. Developing cross browser compliance websites with valid web standards, using HTML, CSS, Material UI, Styled Components, Next.js, Node.js for Chat and backend APIs for Laravel
2. **UI Design** – Transform prototype & Figma Designs to working responsive UIs using

React

3. **Module & Feature Developments** – Building responsive user interfaces, writing Restful APIs and integrating them to Front-end, integrating payment methods using Stripe Checkout and Stripe Connect for sale transactions, custom complex tables using Material UIs, Steppers, fixing UIs for responsiveness, implementing live chat
4. **Third party APIs Integration** – chat-ui-kit-react and socket.io for live chat, for inputting signatures - react-signature-canvas, Stripe Checkout and Stripe Connect for payment transactions
5. **Bug Fix** – Fix bugs and update according to client's new requirements
6. **Testing** – To get reliable systems by using Jest

01/09/2020 – 31/01/2022 : NTT-AT Pte Ltd (Japan)

Designation : Scholarship Holder

Responsibilities : Learning Japanese Language N2 and working on Java projects

Location : Remote

Responsibilities in Details

1. Learn Japanese language N5 to N2
2. **Contribute projects in Java** – SE, EE and Spring Boot
3. **Used Databases** – MySQL, Oracle, Postgres
4. Design database diagrams using MySQL Workbench

Reason for leaving: To hunt a job in Singaporean Companies

05/09/2019 – 28/02/2020 : Pico Innovation Pte Ltd

Designation : Web Developer (Backend)

Project : <http://sharphway.com>

Responsibilities : Write Restful APIs and design databases

Location : On-site

Responsibilities in Details

1. **Build APIs** – Write Restful APIs according to API standards, using Laravel, share via Postman, closely work with front-end developers
2. **Design Databases** – Design logical, conceptual and physical database modals to meet the business requirements using Lucidchart, dbdiagram and MySQL Workbench, understand business requirements thoroughly and ensure database designs flexible, follows normalization rules
3. **Module & Feature Developments** – User Authentication and Authorization (Admin and User), forget password, change password, different access controls for each user type, Vehicle, Vehicle types and User CRUDs
4. **Testing** – Write unit tests and feature tests to reduce bugs in production

OTHER CONTRIBUTED PROJECTS

Project : Hospital Management System for University of Dental Medicine (Mandalay)

Designation : Backend developer

Location : On-site

Responsibilities in Details

1. **Design Databases** – Design database modals to meet the business requirements using

db diagram and MySQL Workbench

2. **Build APIs** – Build user, patient and treatment services using Lumen Microservice framework

01/04/2019 – 28/06/2020 : iMyanmarHouse Pte Ltd

Designation : Web Developer (Backend)

Responsibilities : Develop new features and fix bugs

Type : Part-time

Location : On-site

Job Offer : They offered me a web developer job after participating in their programming contest for 2 days straight. When the university opened, I returned to the University, but got a job offer after my graduation.

Responsibilities in Details

1. **Module & Feature Development** – Facebook marketing using facebook SDK, logging out from other devices, sending marketing mails with reusable mail templates using PHP

CLIENT PROJECTS

Project : Pawn Shop

Responsibilities : Develop whole new Windows APP using C# UWP and Spring boot

Project Details

- **Overview** : Gold pawn shop project
- **Tech used** : C# UWP (Universal Windows Platform) and MySQL database, Java Spring boot
- **Modules** : Pawn management, selling pawn, selecting pawn, interest calculator, gold price calculator, updating gold price daily, finance, and user management

Project : Patient Booking System

Responsibilities : Develop whole new system using React and Node

Project Details

- **Overview** : Patient Booking System
- **Tech used** : React.js, Node.js and Tailwind CSS
- **Features** : User management, patient data management, generating PDFs, sending emails for appointment to Hospital

OTHER ACTIVITIES

1st Runner up in ASEAN DATA SCIENCE EXPLORERS 2019 Regional Final

Organizer : SAP Analytic Cloud and ASEAN Foundation

Details: The project required a 2-member team to conduct extensive research and data analysis on a selected Sustainable Development Goal (SDG). Our team chose Gender Equality and utilized SAP Analytics Cloud tools to deliver a 10-minute presentation followed by a 5-minute Q&A session, all conducted in English.

VOLUNTEER

Full Stack Developer at ANGL (Association of New Generation LuYeeChon)

Responsibilities in Details :

- **Landing Brand Website**
 - As a LuYeeChon, an outstanding student named by the Government, I worked as an IT engineer in this organization, working for documents, files, booklets and this website. Developing both the frontend and backend using PHP took me around 2 months.
- **E-ticket System**
 - The system that generates e-tickets and automatically sends to the members' mail inbox using PHP Laravel. Team size - 1 and duration - 2 weeks.

Full Stack Developer (PHP & JavaScript) at UT-YCC Web dev team

Responsibilities in Details :

- **Maintenance for UT-YCC Website**
 - The website was built by senior students using PHP. We, new generation developers, hands over from them and updates according to new requirements from rectors and heads of departments.
- **Voting system for selecting Kings and Queens at UTYCC Fresher Welcome**
- **Voting system for selecting Kings and Queens at Gawayakha Fresher Welcome (at Mandalay - Client Side Project)**
 - The system was used by around 1000 users, during the Fresher welcome event. Every student and teacher gets their pass code to login to the system and can vote for their desired kings and queens one time. The whole development team size for UTYCC was 7, but for this particular system, only 2, the other developer and I, developed using PHP, as others are allocated to other activities. Since the system was successfully served, a client Gawayakha community at Mandalay) hired the system for their event at Mandalay.
- **Online Exam Result System**
 - The PHP system where students can check their exam results, inputting username and password. The team has 6 members, and I was on frontend UI and APIs integration.
- **University Management System including 4 subsystems as below**
 - Student Management System
 - Grading, GPA, Statistics and Reports System
 - Online Student Registration System
 - Thesis and Projects Management System

The system where I was working as team leader with 3 other members for my university, which was approved by the University Rector and Heads of Department.

The tech stack was React.js, Node.js, Tailwind CSS and MySQL database.

OTHER SKILLS & KNOWLEDGE

- Upper Intermediate IELTS
- Excellent Conversation Skill in English
- Japanese Language (N2)
- Photoshop, Keynote, Figma, Adobe XD, UXPin, UI/UX Prototype tools, MacOS, Windows and Linux (Ubuntu & Elementary)

EDUCATIONAL BACKGROUND

Country of Awarding University : Myanmar

Name of University : University of Technology (Yadanapon Cyber City)

Qualification : **Bachelor of Engineering**
Faculty : **Information Science Technology**
Specialization : **Software Engineering**
Mode of Study : **Full Time**
Period of Study : **01/12/2015 to 01/09/2021**

PERSONAL DETAILS

Name : Htet Phyo Naing
Nationality : Myanmar
Marital Status : Single
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