

# Emerald Phyu Hnin Htway

Senior Software Engineer, Mobile Product Lead

*Emerald\_phyuhnin.h@hotmail.com | <https://www.linkedin.com/in/Emerald-phh>  
6594207626*

Product Enthusiast with 8+ years in SDLC and mobile app management. Expert in features, PRDs, roadmaps, and user flows for iOS / Android. Skilled in UX-focused design, data-driven, and responsive to feedback. Excellent communicator, adept at cross-functional and international collaboration.

## Education

### National University of Singapore

Jan 2022 - Jun 2023

**Master of Technology** Software Engineering  
GPA 3.07

### Yangon Technology University

Jan 2007 - Sep 2012

**Bachelor of Engineering** Information Technology  
GPA 4.7

## Work Experience

### Senior Software Engineer, Mobile Project Lead

Feb 2018 - Mar 2024

*DZH International*

Led corporate mobile projects, transitioning from feature development to comprehensive initiatives. Collaborated with stakeholders, designers, and backend teams for cohesive user flows. Analyzed requirements, wrote PRDs, and managed roadmaps within agile processes. Focused on UX and timely, strategic delivery.

- Achieved Proficiency in Mobile App Development: Managed end-to-end process of gathering requirements, designing, developing, and delivering features for corporate-level trading applications across southeast asia.
- Innovative and Award-Winning Solutions: Best Mobile Trading Platform Singapore 2022 & 2023 , Global Banking and Finance Award. Asia money Best Securities House Awards, Best Security House, Singapore.

### Systems Analyst

Feb 2015 - Feb 2017

*ZNO International*

Translated business requirements into technical solutions for mobile and web apps, focusing on enterprise system development. Expert in requirements gathering, feature development, system integration, and fostering cross-functional team success, including web, mobile, backend, and API teams.

- SAM Kiosk: Designed a next-gen interactive kiosk with iOS enterprise technologies, featuring bill payments and purchases. Client: Singapore Post.
- Crossed Room Management System and iOS Application: Developed using .NET, Microsoft SQL, and iOS Swift. Clients: Ministry of National Development (MND), Building and Construction Authority (BCA), and Agri-Food and Veterinary Authority (AVA).
- Cubic Warehouse Management Mobile App and Back-end Control System: Created with LAMP stack (Linux, Apache, MySQL, PHP/Perl) for the Android platform. Client: Cubic Corporation.

Developed and enhanced web applications by creating features, resolving issues, and optimizing performance. Conducted research and applied SEO, Google Analytics integration, and performance analysis. Proficient in web design, marketing, e-commerce, server control, and TCP/IP.

- Yamagin Project (<https://www.yamagin.net>): Leveraged expertise in web marketing, e-commerce, and server control with Net Essential & TCP/IP integration. Utilized Struts2, Spring, Hibernate, JPA, SQL, GWT, and MAVEN for robust and scalable solutions.
- ColayAutomobile Project (<https://www.colayhills.com>): Enhanced site performance with Indexing Server and Solr, ensuring seamless MIME mailing services. Conducted site performance analysis, SEO optimization, and integrated Google Analytics for insights.

## Languages

**English** (*fluent*), **Myanmar** (*Native*)

## Core Skills

Agile Product Management, Data-Driven Decision Making, Technical Leadership, Cross-Functional Collaboration, Innovation and Iteration, Mobile App Development : iOS - Swift, SwiftUI, Objective C, Android, Java, Cloud Computing : AWS, Azure, Firebase, CI/CD : Docker, GitLab, AWS CodePipeline, Source Code Management : Git, SVN, Bitbucket, Jira, Confluence, QA : Appium, Selenium., Prototyping & Design: Figma, Miro

## Volunteer Experience

### Co-Founder

Apr 2009 - Present

*White Heart Donation and Charity Group*

During university, I co-founded the White Heart Donation and Charity Group in Yangon, supporting orphans and those who can't afford government schools, reinforcing my belief in community service.

## Certificates

### Certified Scrum Product Owner

31/01/2024

*Scrum Alliance*

### Grad Cert in Architecting Scalable Smart Systems.

*National University of Singapore*

### Grad Cert in Engineering Big Data

*National University of Singapore*