

Hpone Myat Thu

Software Engineer | Full-Stack, Mobile & Enterprise Desktop Solutions

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PROFESSIONAL SUMMARY

Results-oriented **Software Engineer** with **3+ years of professional engineering experience** designing, developing, and deploying mission-critical web, mobile, and desktop applications for Singapore, European (Rome), and international organizations. Proven track record delivering production-ready cross-platform mobile apps with **Flutter** and **React Native**, scalable backend microservices with **Python** and **Node.js**, and robust enterprise desktop systems in **C# (.NET)**. Graduated with **First Class Honours in BSc Computing** from the **University of Greenwich** and achieved **100% Distinction across all modules** in NCC Higher Diplomas. Experienced in microfrontend architecture, containerized DevOps (Docker/LXD), and generative AI workflow automation.

TECHNICAL SKILLS

Programming:	TypeScript, JavaScript, Python, Dart, C# (.NET), Java, PHP, SQL	Mobile Development:	Flutter, React Native, iOS, Android (Kotlin), State Management (Bloc, Redux)
Frontend & Web:	React, Next.js, Microfrontends, HTML5, CSS3, SCSS, Responsive Web Design	Backend & APIs:	Node.js, NestJS, Python (FastAPI, Flask), RESTful APIs, Microservices, C# .NET
Desktop & Systems:	C# Desktop Applications (WPF/WinForms), POS Systems, Hardware Integration	Databases & Cloud:	PostgreSQL, MySQL, SQL Server, MongoDB (NoSQL), Docker, LXD, Git, CI/CD

PROFESSIONAL EXPERIENCE

Remote Software Engineer — Engineering Consultant (SG & Rome Projects) 06/2026 – Present | Remote
Independent Technical Consultant | European (Rome) & Singapore Client Ecosystems *Full-Stack, Mobile & Desktop*

Rome Project (Italy) — Mobile & API Ecosystem

FlutterPythonFastAPIREST APIs

- Architected and delivered cross-platform mobile applications using **Flutter (Dart)**, implementing clean MVVM/Bloc architecture, responsive layouts, and seamless offline data persistence for iOS and Android.
- Engineered high-throughput backend services and secure RESTful endpoints in **Python (FastAPI)**, incorporating token-based authentication, structured logging, and automated API contract testing.
- Streamlined client-server communication by establishing optimized JSON payloads and caching layers, decreasing latency across international network routes by **35%**.

Singapore Project — Enterprise Desktop & Web Platform

C# (.NET)Desktop POSTypeScriptAPIs

- Developed and optimized mission-critical enterprise desktop applications using **C# (.NET)**, handling high-volume transaction processing, hardware peripheral interfacing, and localized database synchronization.
- Engineered scalable full-stack web modules with **TypeScript** and modern web services, connecting legacy desktop operations with cloud-based reporting dashboards.
- Established robust error-handling and crash-resilient local caching routines, ensuring uninterrupted point-of-sale operation during intermittent network connectivity.

Application Developer — Tokio Marine Insurance Singapore Pte. Ltd. 04/2025 – 03/2026 | Singapore (Offshore)
Outsourced from ACE Data Systems Ltd. | Dual-Team Engineering Technical Support *Enterprise Insurance Tech*

- Dual-Team Technical Support:** Provided dedicated full-stack support balancing the maintenance of internal administrative portals with customer-facing Point of Sale (POS) applications.
- ITD Portal Modernization:** Streamlined corporate insurance operations by modernizing web tools for the Information Technology Department (ITD), reducing manual policy entry cycles and support tickets.
- POS Transaction Systems:** Ensured the stability, high availability, and feature growth of desktop and web sales systems subjected to high-volume end-of-quarter transaction spikes.
- Cross-Border Agile Collaboration:** Partnered closely with Singapore product managers, business analysts, and QA teams to translate complex financial/insurance specifications into production code.

PROFESSIONAL EXPERIENCE (CONTINUED)

Software Engineer — Axuranze & D3-SG

10/2023 – 04/2025 | Singapore (Offshore)

Outsourced from ACE Data Systems Ltd. | Enterprise Insurance Platform & FinTech Solutions

Full-Stack, Mobile & AI

- Insurance Platform (AQME Project):** Developed a secure, multi-tenant full-stack insurance platform including an enterprise admin portal with role-based access control (RBAC), audit logging, and automated reporting.
- Microfrontend Architecture & Payments:** Built and integrated decoupled web applications leveraging **microfrontend architecture**, secure RESTful APIs, and direct **Maybank payment gateway** integration for digital policy transactions.
- Mobile Application Delivery:** Developed, tested, and successfully launched cross-platform mobile applications for both **Android & iOS** utilizing **React Native**, enhancing client policyholder accessibility.
- DevOps & Containerization:** Prepared, provisioned, and orchestrated containerized environments using **Docker** and **LXD** containers to guarantee isolated, consistent, and scalable deployment pipelines.
- AI & Workflow Automation:** Streamlined repetitive underwriting and claims workflows by architecting intelligent AI automation utilizing the **Google Gemini API** and **Microsoft Power Automate**, cutting processing turnaround by 40%.

Junior Software Engineer — ACE Data Systems Ltd.

09/2023 – 10/2023 | Yangon, Myanmar

MICT Park Headquarters | Full-Stack Web Development

Web Applications

- Meeting & Appointment System:** Built a responsive, full-stack appointment booking and management platform with automated conflict detection, calendar sync, and performant state updates.
- Event Management Platform:** Developed an end-to-end platform featuring event scheduling, attendee authentication, ticket sales, online payment integrations, and modular backend APIs.

EDUCATION & ACADEMIC DISTINCTIONS

Bachelor of Science (Honours) in Computing

First Class Honours (1st Class)

05/2025 – 05/2026 | London, UK

University of Greenwich

Graduated with highest academic honors (First Class Honours). Rigorous coursework and project work in distributed systems, software engineering methodologies, web application architectures, and enterprise database systems.

Level 5 Diploma in Computing (L5DC)

Distinction in All Modules

05/2024 – 05/2025 | Manchester, UK

NCC Education

Earned 100% Distinction across all advanced subjects, including Information Systems Analysis, Dynamic Website Development, Network Security & Cryptography, and Advanced Database Design.

Level 4 Diploma in Computing (L4DC)

Distinction in All Modules

05/2023 – 05/2024 | Manchester, UK

NCC Education

Awarded Distinction in every subject module, covering Computer Networks, Software Development Methodologies, Algorithms & Data Structures, and Core Programming Fundamentals.

KEY ENGINEERING HIGHLIGHTS

Enterprise C# POS Platform

C# .NET

High-throughput desktop system built with robust database concurrency and hardware integration for high-volume sales transactions.

Cross-Platform Flutter Suite

Flutter / Dart

Modern mobile application delivering native 60fps performance, custom animations, and offline-first reactive state management.

Python Microservices Engine

Python / FastAPI

Asynchronous REST APIs with automated validation, Redis caching, and low-latency international API routing.

AI Workflow Automation

Gemini AI / Cloud

Integrated generative AI processing for automated document parsing and data extraction, cutting operational turnarounds by 40%.

LANGUAGES & PROFESSIONAL STRENGTHS

Languages:

English (Professional Working),
Myanmar (Native)

Work Practices:

Agile / Scrum, Asynchronous Remote
Collaboration, Clean Architecture,
CI/CD