

SWAN PYAE AUNG

Bangkok | +66 65-085-8694 | swanpyaex03@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

PROFESSIONAL SUMMARY

Software Engineer with hands-on experience building and shipping full-stack products using TypeScript, React, and Node.js — experienced in CI/CD pipelines, containerized environments, and AI-native development workflows.

TECHNICAL SKILLS

Front-end: React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS

Back-end: Node.js, Express, Python, Flask, REST APIs

Databases: PostgreSQL, Prisma ORM

DevOps and Cloud: Docker, Jenkins, CI/CD Pipelines, Nexus, AWS S3, GCP

Testing and QA: Playwright, E2E Testing, Unit Testing, Integration Testing, CI Validation

Version Control: Git, GitHub, GitLab, Jira

EXPERIENCE

FPT Software — Client: NXP Semiconductors

Software Engineer Intern | July 2025 – October 2025

- Designed and implemented a containerized CI/CD pipeline using Docker, Jenkins, and Nexus, establishing consistent and reproducible automated test environments across development and production.
- Owned defect investigation end-to-end, resolving runtime and build failures through systematic log analysis within containerized test environments across embedded, QA, and front-end codebases.
- Wrote automated test cases in Java, contributing to structured test coverage across the CI validation pipeline for the NXP Semiconductors client project.
- Enforced Git workflow standards, pull request reviews, branch validation, and merge checks, ensuring consistent build stability and reducing regression risks across release cycles.

PROJECTS

AI Powered Job Board — [Live](#) React, Next.js, TypeScript, Node.js, Express, PostgreSQL, REST API | August 2025

- Solved fragmented hiring workflows by architecting a server-side rendered job platform with Next.js App Router and TypeScript, designing a reusable component system enforcing consistent UI patterns across authentication flows, job cards, and pagination.
- Designed and integrated RESTful APIs covering the complete user journey, authentication, job listing creation and search, application submission, user profiles, and file uploads with structured error handling ensuring reliable data transfer.
- Optimized system performance by implementing indexed PostgreSQL queries and caching strategies, reducing latency for dynamic content rendering across the full stack.
- Containerized the full application with Docker using environment-based configuration, designing for consistency across development and production environments from the start.

Hotel Self Check-In System — ERP Workflow Hackathon, CiMSO ERP Flutter, Android Studio | September 2024

- Identified manual hotel reception intake as the operational problem and architected a self check-in solution in Flutter with Dart backend logic, and dual authentication flows from wireframe to working prototype within the hackathon timeline.
- Designed backend logic using a Map data structure in Dart, deliberately architected for smooth API integration transition without major refactoring.
- Validated the solution with 30+ trial users across 10+ screens, translating structured feedback into real-time field-level validation improvements that reduced input errors by 75%.
- Collaborated across a team of 4, front-end, back-end, and academic advisors, presenting a working prototype within the hackathon deadline.

University Pickup FAQ System HTML, CSS, JavaScript, Gemini API | January 2024

- Identified static FAQ limitations as the core problem and proposed an AI-powered solution — integrating Gemini API to replace a fixed FAQ page with a dynamic, multilingual chatbot serving real student queries at scale.
- Optimized system performance by identifying response latency issues and increasing the API token limit from 1,000 to 4,000, validating improvements through documented testing rounds.
- Conducted multi-round usability testing with real users, documenting findings and presenting structured refinements to a faculty advisor across multiple review sessions.
- Presented documented findings and iterations to a faculty advisor across multiple review sessions, communicating technical decisions clearly to a non-technical stakeholder.

EDUCATION

Rangsit University | B.Sc. ICT (First-Class Honours) | December 2022 – December 2025