SWAN PYAE AUNG

Bangkok, Thailand — Open to Remote / Relocation

☎ +66 65-085-8694 ✉ swanpyaex03@gmail.com 🔗 linkedin.com/in/swan-pyae ⦿ github.com/Silhouettete 🌐 Website

PROFESSIONAL SUMMARY

Full Stack Developer who built and maintained React and Node.js applications, designing RESTful APIs, implementing authentication and protected routes using Clerk, and working with PostgreSQL using TypeScript.

EDUCATION

Rangsit University   **Dec. 2022 – Dec 2025**
Bachelor of Science in Information and Communication Technology (First-class Honours)   *Bangkok, Thailand*

RELEVANT COURSEWORK

Data Structures, Database Systems, Object-Oriented Programming, Full-Stack Development

EXPERIENCE

FPT Software (Client Project : NXP Semiconductors)   **July 2025 – October 2025**
Software Engineer Intern   *Remote*
- Improved CI/CD reliability by standardizing Docker-based builds and Jenkins pipelines, reducing environment-related failures across repeated CI runs.
- Contributed to sprint planning and technical reviews, aligning API contracts and test coverage with backend engineers.
- Assembled and maintained automated integration and unit tests (Java-based) to validate system behavior and prevent regressions from reaching CI pipelines.
- Investigated test failures and production-like issues, identifying fragile integration points and unhandled edge cases, and coordinating fixes with backend developers.

PROJECTS

AI Powered Job Board | *React, Next.js, TypeScript, Node.js, PostgreSQL, REST API*   **August 2025**
- Designed REST APIs, implemented backend logic, and integrated frontend consumption for core application workflows.
- Implemented authentication and user management using Clerk, integrating secure session handling and protected routes within a full-stack React and Node.js application.
- Introduced event-driven background processing with Inngest, moving long-running tasks off the request path and improving perceived UI responsiveness.
- Designed PostgreSQL schemas supporting job posting, applications, and user management, enabling multi-entity relationships and role-based access.

Hotel Self Check-In System (CiMSO ERP Hackathon) | *Flutter, Android Studio*   **September 2024**
- Streamlined core input validation and business logic using object-oriented principles to prevent invalid data submission.
- Optimized user input errors by 75% by redesigning validation flow and providing real-time UI feedback.
- Translated functional requirements into implementable features through close coordination with designers and developers.
- Planned and executed unit and user testing with 30+ trial users, collecting feedback and iterating on reliability issues.

University Pickup FAQ System | *HTML, CSS, JavaScript, Gemini API*   **January 2024**
- Remodeled legacy frontend logic into a responsive, accessible interface, improving usability across devices.
- Optimized frontend logic and API interactions, reduced UI latency by eliminating redundant API calls and minimizing unnecessary re-renders in core user flows.
- Integrated a multilingual AI chatbot, expanding system usability for international users without increasing support workload.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Java
- **Front-end:** React, Next.js, HTML5, CSS3
- **Back-end:** Node.js, Express, RESTful APIs, Authentication (Clerk, JWT)
- **Databases:** PostgreSQL, Prisma ORM
- **DevOps & Cloud:** Docker, Kubernetes, Jenkins, CI/CD Pipelines, Git/GitHub, Nexus, AWS
- **Testing & QA:** Unit testing, automated testing, CI validation, Playwright

LEADERSHIP / EXTRACURRICULAR

Technology Seminar Organization   **September 2024 – April 2025**
President & Organizing Lead   *Rangsit University*
- Administered a 20-member cross-functional team, coordinating with external speakers and university departments to plan and execute technical seminars.
- Evaluated seminar outcomes using the CIPP framework to identify improvement areas, showcasing strong analytical and critical thinking skills.