

Chayanon Is-saard

Software Engineer

CONTACT

(+66)92-8131107

chayanonissaard@gmail.com

www.pondcode.site

SUMMARY

Software Engineer with nearly 3 years of experience designing, developing, and supporting business-critical applications for manufacturing operations. Skilled in full-stack development, legacy system modernization, database engineering, and system integration using React, Node.js, Python, Oracle, and PostgreSQL. Experienced across the entire software development lifecycle, from requirement analysis and solution design to deployment and production support.

WORK EXPERIENCE

Software Engineer , Fujikura Electronics (Thailand) LTD.

2023 - Present

Responsibilities

- Gather and analyze system requirements for manufacturing applications.
- Design and maintain database structures and integrations.
- Develop and enhance web and desktop applications across modern and legacy systems.
- Troubleshoot production issues and provide ongoing system support.
- Collaborate with users and stakeholders throughout the software development lifecycle.

Project Highlight

Legacy System Migration Project

Migrated legacy ASP.NET Web Forms applications to a modern web architecture.

- Migrated Oracle database logic to PostgreSQL, converting PL/SQL code into maintainable stored procedures and functions while improving system maintainability and performance.
- Rebuilt legacy ASP.NET Web Forms (ASPX/VB.NET) user interfaces as modern React applications, improving maintainability, scalability, and user experience.
- Refactored existing business logic into reusable RESTful APIs using Node.js and Express.
- Deployed and maintained internal applications on Linux servers using Docker and provided production support.

Production Inventory Tracking and Verification System

Developed an inventory tracking system for real-time stock verification using barcode and QR code scanning.

- Replaced paper-based inventory verification processes with barcode and QR code scanning workflows.
- Reduced inventory verification time by over 50% by replacing manual paper-based workflows with barcode/QR code scanning and real-time inventory tracking.
- Improved inventory accuracy and audit compliance by enforcing scan-only verification, preventing manual data entry and verification discrepancies.

EDUCATION AND TRAINING

Bachelor of Science in Computer Science

Silpakorn University, Nakhon Pathom, Thailand

2019 - 2023

Senior Project: Image Classification of Transfer Slips and Optical Character Recognition (Deep Learning & OCR)

- Built a pipeline to classify incoming images as bank transfer slips and extract structured data via OCR.
- Research published in Journal of Science Ladkrabang, KMITL, Vol. 34 No. 2 (2025), pp. 1-15, and presented at Asia Joint Conference on Computing (AJCC 2023).

SKILLS

Programming : React, Node.js, Python, JavaScript/TypeScript, C# (ASP.NET Web Forms)

Database : Oracle (PL/SQL), PostgreSQL (Functions, Procedures)

DevOps & Infra : Linux , Docker , PM2 , Jenkins (Basic CI/CD)

Source Control : Git , SVN , Postman , Swagger OpenAPI

LANGUAGES

- Thai (native)
- English (Intermediate)