

Thanawat Kittichaikarn

Software Engineer

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Educational

King Mongkut's Institute of Technology Ladkrabang

Bachelor's Degree in Computer Engineering (Major Information) 2013 – 2016

GPA: 3.08

Technical Skill

- **Development:** React, Next.js
- **Programming Language:** Javascript, Typescript, SQL, Python
- **Cloud Platforms:**
 - AWS (such as Amplify, Cognito, S3 and Appsync)
 - GCP (such as OAuth, reCAPTCHA, Map)
- **Tool & Libraries:** Tanstack (query, router, etc.), AI SDK, Supabase, GraphQL, Jest, Puppeteer, Mui, Tailwind, Antd, Shadcn, Git, Figma, Docker, Storybook, PostgreSQL
- **AI/ML Integration:** AI SDK, LangChainJS, LLM applications, RAG (Retrieval-Augmented Generation) systems, MCP, Text-to-SQL implementations
- Proficient in using Figma for UI/UX design, with a strong understanding of design concepts such as component-based design and design systems.

Work Skill

- Analyzed defects and software problems effectively.
- Demonstrated good communication and collaboration skills.
- Provide suggestion ideas for the product and solutions for the problem.
- Mentored and provided technical guidance to junior developers on the team.
- Conducted technical workshops and training sessions on AI integration topics.
- Provided technical consultation for AI integration projects and LLM implementations.
- Experience working in startup environment with cross-functional collaboration and rapid product development.
- Kept up-to-date with emerging technologies and industry trends to propose enhancements

Language

- Thai: native
- English: Intermediate Low (I can read and understand basic English)

Work Experience

Company: [Float16.Cloud](https://float16.cloud)

Position: **Software Engineer**

Duration: Jul 2024 – Present

Overview Float16.Cloud is a Thai AI startup specializing in serverless GPU infrastructure for AI workloads, providing instant access to H100 GPUs with zero-setup deployment and per-second billing.

Key Responsibilities & Achievements:

- **Web Application Development:** Lead frontend development for the main web application using React, TypeScript, Supabase, and Tailwind CSS, focusing on user experience and responsive design for the serverless GPU platform
- **CLI SDK Development:** Contributed to the development and maintenance of command-line interface tools and SDKs for seamless developer experience with serverless GPU services
- **AI Integration Consulting:** Provided technical consultation and hands-on implementation for client AI integration projects, including LLM applications, RAG (Retrieval-Augmented Generation) systems, and AI tool integration
- **Workshop Facilitation:** Designed and conducted technical workshops on AI integration topics, including text-to-SQL implementations and RAG system development for enterprise clients
- **Full-Stack Contribution:** Collaborated on product architecture, technical decisions, and overall product development in a lean startup environment, contributing to both frontend and backend aspects of the platform
- **Client Solutions:** Delivered custom AI software solutions for enterprise clients, focusing on practical LLM applications and machine learning model deployment strategies

Technical Stack: React, TypeScript, Supabase, Tailwind CSS, LLM integration, RAG systems

Company: [Easy Rice Digital Technology](#)

Position: **Front-End Developer (Senior-Level)**

Duration: Feb 2021 – Jul 2024

Overview (All Project)

- Primary focus on Front-End development across various projects.
- Collaborated with the team to design web service specifications based on business requirements for the backend.
- Collaborated closely with cross-functional teams (Product, DevOps, etc.) throughout the development lifecycle.
- Assigned tasks and conducted code reviews for the team members.
- Actively participated from the wireframing stage through UI/UX design with the design team.
- Implemented and maintained the application codebase.
- UI library & CSS Utility: Base on Mui and CSS in JS
- Multi-language support (i18n), e.g., English, Thai and Vietnamese
- Support responsive web.
- Integrated Google Analytics (GA) with custom event tracking for comprehensive user behavior analysis.

Project: **MO and MP** Web AI Solution for Rice Quality and Purity Inspection.

- Stack: React, Apollo GraphQL, TypeScript, Redux, AWS lambda, Dynamodb
- Implemented user authentication and authorization features.
- Multi-factor authentication (MFA), and reCAPTCHA.

- The UI fields required frequent changes to meet customer needs, standards, forms, and customized settings per rice inspection type based on user preferences.

Project: **ERMS** CRM for internal use.

- Stack: React, TypeScript, NestJs, Dynamodb, PostgreSQL, Auth Gmail

Project: **KhaKhao** Web Application for posting rice trading.

- Stack: React, TypeScript, LIFF, NestJs, PostgreSQL, Auth Line
- The primary target users were on mobile devices; ensured the application was optimized for a seamless user experience through responsive design and performance tuning for mobile platforms.

Project: **Easyrice** and **Exambrisk** Web landing page project for an organization.

- Stack: Next.js 12, Framer motion, TypeScript
- Utilized Next.js with Pages Router for server-side rendering and optimized performance.
- Implementing server-side rendering (SSR) and static site generation (SSG) techniques for improved performance and SEO.

Project: **MI** (Monorepo) Web All Future Service

- Stack: React, TypeScript, Nx, NestJs, PostgreSQL
- Utilized a monorepo architecture managed by Nx .
- Developed a central portal application for user authentication (login), profile management, and service selection to navigate to other web applications.
- Implemented multiple applications within the monorepo, including Varieties Inspection, Sensory Inspection, and Coffee Inspection.
- Building reusable UI components and shared libraries to maintain consistency across applications.

Project: **Exambrisk Demo Pretrained AI** Web Application to Showcase

- Stack: Next.js 14, TypeScript, langchainJS
- Utilized Next.js with App Router.
- Developed a comprehensive platform to demonstrate various AI-powered applications and demos.
- The Healthcare feature leveraged LangchainJS, to provide intelligent disease diagnosis capabilities (output parser), built on Next.js API routes.

Company: **NTT Global**

Position: **Software Engineer**

Duration: Nov 2019 - Jan 2021

Project: **Tesco Product Planning** Automated Production Planning for Bakery

- Stack: Vue2, Vuex, Antd, Java Spring Boot , MySQL,
- Collaborated with Business Analysts and client stakeholders to understand requirements and design the application using Figma.
- Developed the frontend web application using Vue.js framework, integrating with Vuex for state management and Ant Design for UI components.
- Contributed to backend development by implementing select APIs using Java Spring Boot.
- Wrote comprehensive unit tests to achieve 80% test coverage as per SonarQube specifications.

- Implemented CI/CD pipelines using GitLab for automated build, testing, and deployment processes.

Project: **Employee Tracking Application** (Internal Use)

- Stack: Vue2, Java Spring Boot, Google Map
- Implemented a GPS-based check-in system to record employee locations and work hours.
- Implemented data visualization components to display attendance data and analytics.

Project: **RPA UiPath – Osotspa**

- Stack: UiPath, Elasticsearch, Kibana
- Developed RPA bots using the UiPath platform to automate various business processes for Osotspa.
- Designed and implemented a structured approach for UiPath usage, from development to deployment and handling production cases.
- Configured log data ingestion from RPA bots into Elasticsearch for centralized logging and monitoring.
- Utilized Kibana for visualizing and analyzing log data from RPA bot executions.

Company: **Dimension Data**

Position: **Software Engineer**

Duration: Jun 2017 - Oct 2019

Project: **RPA AA - CIMB**

- Stack: Automation Anywhere (AA)
- Collaborated with Business Analysts and client stakeholders to understand requirements and design RPA workflows.
- Developed RPA bots using Automation Anywhere platform to automate various banking processes such as loan application data entry.
- Designed and implemented a structured approach for AA usage, from development to deployment and handling production cases.
- Deployed and monitored the RPA bots, addressing any production issues promptly.

Project: **IVR – Agoda** (Interactive Voice Response System)

- Stack: Java, Apache Tomcat
- Maintained and enhanced the existing Interactive Voice Response (IVR) system to align with Agoda's evolving business requirements.
- Developed IVR workflows and call handling logic using Java.
- Implemented multi-language support to cater to Agoda's global customer base.
- Deployed and monitored the IVR system on Apache Tomcat application servers.

Project: **FAX – BBL**

- Stack: jasper, Java Spring Boot, SOAP
- Developed the PDF generation module for the fax system using JasperReports.
- Integrated with the backend system through SOAP web services built with Java Spring Boot.

- Implemented dynamic data binding and formatting rules to generate PDF documents based on incoming data.
- Wrote comprehensive unit and integration tests to ensure the correctness and reliability of the PDF generation module.

Certificate

- [Microsoft Certified: Azure Fundamentals](#)
- [Microsoft Certified: Azure AI Fundamentals](#)
- [Microsoft Certified: Azure Data Fundamentals](#)