

POLLAWAT PREECHATHAMMARUCH

Software Engineer

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SUMMARY

I'm a junior developer with over half a year of real-world experience. I've contributed to both frontend and backend development, with occasional exposure to mobile app projects. I take pride in writing clean, readable, and maintainable code, and I'm always eager to learn and grow. I actively listen to feedback, reflect on my mistakes, and value open communication and collaboration to bring out the best in every project. Passionate about building quality software and being part of a supportive, forward-thinking team.

EXPERIENCE

Full Stack Developer 11/2024 - 04/2025

DeftDev Tech Bangkok, Thailand

- Worked on a crypto-related project, implementing secure and scalable solutions.
- Developed full-stack applications using Next.js (frontend) and Golang (Echo framework) (backend).
- Designed and optimized database structures with PostgreSQL.
- Integrated Kafka for real-time event-driven architecture and messaging.
- Collaborated with cross-functional teams.

Frontend Developer (Internship) 04/2023 - 06/2023

DeftDev Tech Bangkok, Thailand

- Worked on an internal project focused on a Shoppable Content Platform, building features using React.js.
- Participated in team meetings to align on project direction and define new features.
- Collaborated with the team to resolve user experience issues and improve usability.
- Gained hands-on experience in frontend development, UI/UX design considerations, and agile workflows.

PROJECTS

Traffic Data Recovery for Map Matching

A machine learning project designed to enhance map matching accuracy by integrating driver behavior patterns into the prediction process.

- Built a custom model combining Graph Neural Networks (GNN), LSTM, and Self-Attention to predict intermediate GPS coordinates between source points.
- Aimed to improve map matching algorithms which typically favor shortest or most logical routes, by adding a more human-like driving pattern.
- Developed a demo web interface using React.js for the frontend and Flask for the backend to visualize predictions and model output.

GearBin – Vending Machine Web Simulation

A backend-focused web simulation of a vending machine purchase flow, created as part of the Theory of Computation course.

- Simulated a complete buying experience including product selection, payment processing, and state transitions.
- Focused on backend logic implementation, applying concepts like finite automata and state machines to simulate vending behavior.

EDUCATION

Bachelor of Engineer, Computer Engineering 2021 - 2025

King Mongkut's Institute of Technology Ladkrabang Bangkok, Thailand

SKILLS

Frontend

JavaScript · TypeScript · React.js ·
Next.js · HTML · CSS · Tailwind CSS ·
Redux

Backend

Golang · Python · C · C++ · PostgreSQL ·
MongoDB · REST APIs · JWT/Auth

Tools

Docker · AWS · Git · Kafka · GCP ·
Google ML Kit · Google MediaPipe ·
AWS Rekognition · PyTorch · TensorFlow

Operating Systems

macOS · Linux · Windows