

# PATTARAWAN SARAVANEYAWONG

Software Developer – Backend (Node.js)

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Software Developer with hands-on experience contributing to production systems in fast-paced startup and operational environments. Experienced working with full-stack applications built on in-house frameworks, relational databases, and real-world data workflows. Strong background in logistics and aviation operations, bringing a systems-oriented mindset, attention to detail, and clear cross-functional communication. Motivated to build reliable, human-centered software that supports real-world processes.

## Education

### Diploma Computer Programming

Ontario, CA

Seneca Polytechnic | Graduated December 2024 | Cumulative GPA: 3.6/4.0 | President's Honor List Winter 2024

### Bachelor of Management Major in Air Cargo Management

Bangkok, TH

Civil Aviation Training Center | Graduated May 2023 | President of Public Relations Club

## Experience

### Software Engineer Intern

Bangkok, TH

Inno Digital Biz Co., Ltd

February 2025 – July 2025

#### GPS Vehicle Tracking System

- Built and maintained a real-time GPS tracking system using Node.js, TypeScript, React, and Google Maps API.
- Designed and optimized MySQL schemas and queries to support high-frequency data ingestion from 300+ vehicles.
- Contributed to a proprietary in-house framework built on JavaScript and TypeScript, adapting quickly to existing codebases.
- Debugged production issues, validated fixes, and collaborated with cross-functional teams through Git-based workflows and code reviews.

#### Concrete Dispatch and Logistic System

- Developed backend features using Node.js, TypeScript, and MySQL to support real-time operational tracking.
- Built internal reporting dashboards using EJS, HTML, CSS, and Bootstrap for operational visibility.
- Automated recurring email notifications using Node.js and Nodemailer, improving operational efficiency.
- Supported testing, troubleshooting, and iterative releases within an Agile/Scrum development process.

## Technical Projects

### Safe Commute - Real-Time Transit Alert Platform

React, Next.js, REST API, TypeScript

- Built backend API routes using Node.js and Next.js to fetch, process, and serve live transit data from the Toronto Open Data API.
- Centralized server-side data handling to improve maintainability, performance, and data consistency.
- Designed reusable frontend components with a focus on clarity, accessibility, and real-time updates.

### Geocode Converter Project - Geolocation Automation Tool

Node.js, Google Maps API, JSON, Express

- Developed a backend service using Node.js and Express to convert bulk address data into GPS coordinates.
- Designed RESTful endpoints with input validation and error handling for reliable data processing.
- Integrated the Google Maps API to automate geolocation workflows and improve accuracy.

## Certification

- Microsoft Azure Cloud Fundamental (AZ-900)

## Skills

**Backend & APIs:** Node.js, TypeScript, JavaScript, Express, RESTful APIs, API design, server-side logic

**Database & Data:** PostgreSQL, MySQL, MongoDB, Firebase, SQL schema design, query optimization

**Cloud & DevOps:** Microsoft Azure (Fundamentals – AZ-900), Docker, Vercel, CI/CD concepts

**Frontend:** React, Next.js, HTML, CSS, EJS, Tailwind CSS

**Tools & Practices:** Git, GitHub, Postman, VS Code, Linux, macOS, Agile/Scrum, debugging, testing mindset