

WASUPHON NAKSUT

<https://github.com/Tooseriuz>

EXPERIENCE

Rainforest Connection (RFCx)

Senior Software Engineer

San Francisco, USA (remote)

Oct 2022 – Apr 2026

- Owned and maintained production backend APIs for Arbimon (arbimon.org) and RFCx platforms using Node.js/TypeScript
- Built backend API for LUCA (luca.eco) using Go with geospatial features using H3 indexing.
- Integrated backend API with Huawei IoTDA to monitor incoming device data and trigger email alerts.
- Enabled Random Forest model version upgrades to improve audio classification accuracy.
- Built LLM agent chatbot for monitoring published data using Google ADK.
- Upgraded AWS Lambda functions from Python 2.7 to 3.9.
- Designed cloud infrastructure using Terraform, GCP, Cloud Run, CDN, IAM, Artifact Registry, Cloud Storage, and CI/CD pipelines.
- Applied partitioning on ~600M-row databases, reduced storage size from 311GB to 174GB (~44%), and migrated ~1B-row databases with improved indexing and partitioning.
- Reduced AWS monthly infrastructure cost by ~30% through storage optimization, lifecycle policies, and cleanup.
- Designed and deployed RabbitMQ infrastructure for Guardian device communication systems.
- Led technical decisions, reviewed PRs, coordinated production deployments, and served as Scrum Master.

Software Engineer

Sep 2018 – Oct 2022

- Built custom Android AOSP distributions for Guardian devices with custom configurations and prebuilt applications.
- Maintained Guardian software for recording, uploading, monitoring, and broadcasting environmental audio data.
- Built Android deployment applications for Guardian, AudioMoth, and SongMeter devices using Bluetooth and wireless connection.
- Developed backend APIs for deployment systems including CRUD operations and image uploads.

Agoda

Software Engineer Intern

Bangkok, Thailand

Dec 2019 – Mar 2020

- Worked within Agoda engineering teams on logging and analyst systems for mobile applications.
- Gained experience working with large-scale production systems.

SKILLS

Go, Node.js, TypeScript, Rust, Python, Kotlin, PostgreSQL, MySQL, GCP, AWS, Terraform, Docker, GitHub Actions, CI/CD

EDUCATION & ACHIEVEMENTS

Naresuan University

Bachelor of Computer Science

Phitsanulok, Thailand

2017 – 2020

- GPA: 3.78 / 4.00
- 1st Place – LINE HACK 2019 (Student Division)