

Thanapawee (Feem) Phrachan



EXPERIENCE

Robinhood Delivery, Bangkok — *Backend Developer*

MAY 2023 - PRESENT

- Develop and design a new live chat service for Robinhood Food using Go as API server communicating with mobile applications in real time using WebSocket built on top of Centrifugo server. The application data is stored on PostgreSQL using a partitioned table in order to scale and archive data more easily.
- Introduce a proper application observability stack based on OpenTelemetry standard including metrics (Grafana Mimir), distributed tracing (Grafana Tempo), logging (Grafana Loki) and alerting (Grafana Alert).
- Develop, maintain and improve product search for Robinhood Food and Robinhood Mart which is used in home landing page and inside shop landing page where the API server is implemented in Node.js for Food and Go for Mart and the search data is stored in ElasticSearch.
- Fix a long standing technical debt for Robinhood Mart search which has a data out of sync issue between MySQL and ElasticSearch by creating a new Go service and creating a custom job scheduler backed by Redis.
- Encourage our team to write code that aims to increase testability, maintainability and readability by applying only simple principles such as law of demeter, code that uses ubiquitous language and micro type.

Sellsuki, Bangkok — *Full Stack Developer*

AUGUST 2022 - APRIL 2023 • 9 MONTHS

I'm designing, architecting and implementing a product stock counting and an inventory management system from scratch using Go and PostgreSQL which needs to be reliable and must be able to handle requests concurrently. The system itself is communicating using REST and Kafka protocols. The service itself is written by using Domain Driven Design and Clean Architecture together and a testable code is the main priority.

Skooldio, Bangkok — *Backend Developer*

JANUARY 2021 - DECEMBER 2021 • 1 YEAR

I'm working on multiple applications focused on backend developments which are using Node.js stack consisting of TypeScript, JavaScript, GraphQL, Nest.js Express.js, Sequelize, Loopback, MySQL and GCP related such as Cloud Function, Cloud Run, BigQuery, Pub/Sub, Memorystore (Redis), Kubernetes, Firestore and Datastore. I'm also designing and developing multiple applications involving real-time asynchronous messaging communication where idempotent and message deduplication are needed and I'm also the first one who is designing and introducing multiple applications written in Go and Kotlin for the company which are used for real-time data processing.

Haupt Car, Bangkok — *Internship - Angular Developer*

JUNE 2019 - JULY 2019 • 2 MONTHS

Designing and developing mobile applications for internal company usage from scratch using Ionic Framework 4 based on Angular framework including NGRX, NGXS, native module interaction using Cordova and communication using REST and Paho MQTT. The whole application is written using a container and presentation component and using NGRX/NGXS together as a single source of truth of the application data and state.

Contacts

Email: thanapawee.p@gmail.com (Preferred)

Mobile: (+66) 085-023-5342

Website/Portfolio: me.makeany.app

Linkedin: linkedin.com/in/thanapawee/

Git: gitlab.com/vokup , github.com/vokup

EDUCATION

Kasetsart University Bangkok Campus,
Bangkok — *Bachelor Degree — Computer Engineering — GPA 3.10*

JULY 2016 - APRIL 2020

ME AS A SOFTWARE ENGINEER

I'm a computer engineer who focuses on parallel and distributed systems. I have been in competitive programming which led me to always think about optimization and performance in my design. I have experience in various fields related to software engineering such as mobile, web-frontend, backend, desktop app. I'm currently focused on domain-driven design, distributed systems, asynchronous messaging and microservices. And recently, I work on an application design which focuses on code ergonomics, expressiveness and reducing developer mistakes as much as possible.

KNOWLEDGE

Programming Languages

- TypeScript
- C#, F#
- Java, Kotlin
- Go
- Rust

Programming Methodologies

- Object-Oriented Programming (OOP)
- Functional Programming (FP)
- Domain Driven Design (DDD)
- Clean Architecture
- Hexagonal Architecture
- SOLID Principles
- Microservices Architecture
- Event-Driven Architecture
- Containerized Application
 - Docker, Kubernetes, ArgoCD
- More at me.makeany.app

INTERESTS

- Domain Driven Design & Clean Architecture
- Event-driven Architecture
- Microservices Architecture
- Large Application Development
- Parallel & Distributed System
- Fault Tolerance & Highly Available System

SOFT SKILLS

- English Touch Typing (90 WPM)