

# WITTAWAT PHONGPHRIT

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## EDUCATION

### Kasetsart University

Bachelor of Engineering in Computer Engineering

GPA: 3.11/4.00

Bangkok, Thailand

Anticipated graduation in April 2025

### Relevant Courses

- Software Engineering, Data Structures & Algorithms, Computer Networks, Enterprise Application Architecture, Database, Computer System Security, and Operating Systems.

## WORK EXPERIENCE

### T.C.C. Technology Co., Ltd.

#### Software Engineer ( Go )

May 2025 - Present (Contract ends Apr 2026)

- Designed and implemented a Role-Based Access Control (RBAC) system using Go to support secure access control and permission management.
- Real-time Notifications: Developed a high-throughput broadcast notification service integrated with Firebase Cloud Messaging (FCM), capable of handling 5,000 messages per minute with low latency.
- Contributed to the design and development of scalable backend services using Clean Architecture and MySQL, improving query performance by 50%.
- Improved code reliability by writing Behavior-Driven Development (BDD) tests using Ginkgo, helping reduce regression issues.

### T.C.C. Technology Co., Ltd.

#### Software Engineer Intern ( Flutter )

April 2024 - November 2024

- Developed and maintained POS systems (MPOS, MCMC POS, SX POS) using MVVM architecture, delivering new features, bug fixes, and unit tests.
- Contributed to a food delivery system (SOOK) by implementing notification, order cancellation, and order status features using Bloc architecture.

## PROJECTS

### GoSimpleBank

#### Personal Project

Bangkok, Thailand

Feb 2025 – Mar 2025

- Built a banking backend using Go and PostgreSQL, supporting user authentication, account management, and transactional operations.
- Designed RESTful APIs and gRPC services following clean code practices and basic system design principles.
- Implemented CI/CD pipeline to automate build, test, and deployment workflows.

### NexTech Store

#### Personal Project

Bangkok, Thailand

Dec 2025

- Developed a full-stack e-commerce web application simulating the sale of electronic devices (e.g., computers, laptops, and mobile phones), with a primary focus on backend architecture and business logic rather than UI design.
- Integrated Redis for caching and simulating payment workflows, including a mock Stripe-like payment flow for order processing.

### NewsPocket

#### Personal Project (Flutter with clean architecture)

Bangkok, Thailand

Nov 2024

- Built a Flutter-based news application integrating external APIs with local persistence for offline access.
- Structured the application using Clean Architecture to ensure scalable and maintainable code.

## SKILLS

Languages: Go, C#, JavaScript, TypeScript, Python, C++, Dart

Frontend: React, Next.js, Angular, Flutter, Tailwind, Bootstrap, Shadcn/ui

Backend: Node, ASP.NET Core, NestJs

Databases: MySQL, PostgreSQL, MongoDB, SQLite, Convex

Cloud & DevOps: AWS (EC2, ECS, ECR, EKS – containerized deployment), Docker, K8s, minikube