



# PHUCHID RUGRAWI

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## Backend / Full Stack Engineer (Systems-Focused)

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📍 Samut Prakan, Thailand

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## PROFESSIONAL SUMMARY

Backend-leaning Full Stack Engineer with **3 years of professional experience** in designing and developing scalable web applications and system architectures. Strong background in **API design, database modeling, payment systems, and containerized deployments**. Experienced in working across multiple domains including real estate, rental platforms, and hospital information systems.

- 3 years of experience using **Go, JavaScript/TypeScript, PHP** in production environments
  - Strong experience in **payment systems** and **third-party integrations**
  - Hands-on experience with **Kubernetes, CI/CD, and Linux-based infrastructure**
  - Comfortable collaborating across teams and owning features end-to-end
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## CORE SKILLS

### Programming Languages

- Go
- Python
- JavaScript / TypeScript
- SQL
- Java
- C#

### Backend & Systems

- Go (Gin), Node.js, NestJS, Next.js, Laravel
- RESTful API & GraphQL
- System Design & Architecture
- Authentication & Authorization
- Database Design (Normalization, Indexing, Transactions)
- Third-Party Integration (Payment Gateways: mPAY, KBANK, 2C2P)

## Frontend

- React
- HTML / CSS

## Databases

- MySQL
- PostgreSQL
- SQL Server (MSSQL)
- Redis
- MongoDB

## DevOps & Tools

- Docker & Docker Compose
- Linux / Ubuntu
- Git & GitHub
- Kubernetes
- Jenkins
- GitHub Actions

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# WORK EXPERIENCE & PROJECTS

## Software Developer (Full Stack)

**ICON Framework** — Bangkok, Thailand

*Mar 2024 – Present*

**Project Title:** Online Payment & After-Sales Service Platform

**Tech Stack:** React, Node.js, SQL Server, Nginx, PM2, LINE Developer Platform

- Developed an online payment platform supporting **QR Payment, Credit Card, and Mobile Banking**
- Integrated multiple payment gateways including **mPAY, KBANK, and 2C2P**
- Implemented authentication using **LINE Login** and notifications via **LINE Messaging API**
- Built an **after-sales service and repair request tracking system**
- Developed real estate after-sales services integrated with **LINE Official Account (OA)**

## Key Achievements

- Delivered production systems actively used by **4,000+ users**
- Integrated **3+ payment gateways** with secure and reliable transaction workflows
- Refactored legacy modules into cleaner, more maintainable architecture
- Built reusable backend APIs shared across multiple products

**Project Title:** FastInspect – Property Inspection Management System

**Tech Stack:** Go (Gin), PHP (Laravel), MySQL, Kubernetes (Traefik Ingress)

- Developed a system for tracking and reporting property inspection data from field staff
- Designed and implemented REST APIs for mobile applications using **Go (Gin)**
- Built and maintained web backend services using **Laravel**
- Implemented CI/CD pipelines enabling **zero-downtime deployments**
- Deployed and managed services on Kubernetes using **Traefik Ingress**

#### Key Achievements

- Enabled **zero-downtime CI/CD** pipelines
- Improved system availability through **Kubernetes-based deployments**
- Learned Go programming language and applied best practices for clean architecture design

**Project Title:** Agent Hub Platform

**Tech Stack:** Next.js, Node.js, SQL Server, Kubernetes (Traefik Ingress)

- Developed an online property booking platform for real estate agents
- Built a centralized system for assigning and managing work units
- Integrated with REM systems to retrieve property data and calculate pricing
- Automated booking workflows with property development companies

#### Key Achievements

- Enabled **zero-downtime CI/CD** pipelines
- Improved system availability and stability by migrating services to **Kubernetes-based infrastructure**
- Implemented system-wide **sales summary dashboards**, delivering key metrics and real-time insights across all application modules

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## Software Developer (Front End)

**PANACEA PLUS** — Thailand

*Aug 2022 – Feb 2024*

**Project Title:** Hospital Information System (HIS)

**Tech Stack:** React, .NET Core, SQL Server

- Developed UI for **Patient Eligibility Verification**
- Built frontend features for **Outpatient Clinic Management**
- Implemented UI for **Document Scanning Systems**
- Integrated frontend components with backend APIs

#### Key Achievements

- Delivered frontend modules used in **daily hospital operations**
- Improved usability and workflow efficiency for hospital staff
- Collaborated closely with backend teams to integrate complex business logic
- Contributed to stable production releases in a healthcare environment

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## EDUCATION

Bachelor's Degree in Information Technology

**King Mongkut's Institute of Technology Ladkrabang (IT-KMITL)**

2018 – 2022

Relevant Coursework:

- Data Structures & Algorithms
- Database Systems
- Software Engineering
- Operating Systems
- Web Programming
- Cloud-based System

Senior Project

**Project Title:** Resource Management System using AWS

**Tech Stack:** Next.js, Node.js, GraphQL, MongoDB, AWS (Lambda, IAM, Event-driven Architecture), AWS SDK

- Designed and developed a **cloud-based resource management system** as a graduation project
- Architected an **event-driven system** using **AWS Lambda** to track and manage AWS resource usage
- Implemented mechanisms to **identify and associate IAM Users** assigned to students for cost and usage tracking
- Developed backend services to collect and aggregate AWS resource data using **AWS SDK**
- Designed and implemented **GraphQL APIs** to serve resource and cost data to frontend dashboards
- Built interactive dashboards to visualize **AWS resource usage and cost breakdown per IAM User**
- Applied software engineering principles including **modular architecture, version control, and testing**

**Project Outcomes**

- Enabled **per-user cost tracking** for AWS resources in an academic environment
- Improved visibility and accountability of AWS usage among students and instructors
- Demonstrated end-to-end system design from **cloud architecture to data visualization**
- Strengthened expertise in **cloud systems, event-driven architecture, and backend system design**

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## ADDITIONAL INFORMATION

- Comfortable working in **Agile / Scrum** environments
- Strong interest in **backend architecture and system scalability**
- Actively learning new technologies and system design patterns

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## LANGUAGES

- Thai — Native
- English — Basic Reading & Writing

