

Patsakorn Boonkerd

✉ fordpatsakorn@gmail.com | 🌐 fordkuppp.me | 🐙 github.com/fordkuppp | 📞 +66 95 962 0846

EXPERIENCE

Agoda

September 2024 – Present

Contract Software Developer (Backend)

Bangkok, Thailand

- Implemented client library for .NET Core application to avoid other services calling the API directly
- Onboard an application to use consumer and provider contract test using Pact to test for discrepancies while migrating said client library
- Oversee interns on how to migrate an application to use the new client library, and how to create Pact consumer and provider tests
- Migrated Rabbit MQ message broker to Kafka to make the system more reliable and scalable

Freelance

May 2024 – July 2024 (2 months)

Freelance Full Stack Software Engineer

Bangkok, Thailand

- Integrated crypto payment gateway solution (OxaPay) for an online entertainment website
- Developed user authentication and reset password functionalities using SolidJS and ExpressJS

Agoda

August 2023 – April 2024 (8 months)

Software Engineer Intern (Backend)

Bangkok, Thailand

- Integrated code coverage tool into the GitLab CI pipeline and block any merge with insufficient tests
- Configure the build process in the GitLab CI pipeline
- Streamlined operations by designing and developing a new API endpoint using ASP.NET Core, reducing a multi-day process to few minutes
- Automate email sending system to eliminate the need to manually send email to partners, improving efficiency
- Migrated large .NET Framework legacy application to .NET Core and deployed to Istio service mesh
- Visualized data using SQL in Apache Superset for our stakeholders

EDUCATION

Mahidol University International College

Nakhon Pathom, Thailand

Bachelor of Science in Computer Science, Minor in Japanese

Sep. 2019 – Jul. 2024

PROJECTS

Homelab | *Kubernetes, Proxmox, Docker, Portainer, Tailscale*

- Installed and configured Proxmox Virtual Environment on a personal server
- Configured Kubernetes cluster on the server to make the applications scalable
- Configured cert-manager with nginx ingress controller to get SSL certificate
- Installed Prometheus and Grafana, and create dashboard to monitor nginx ingress
- Utilized Portainer to host various web applications and game servers on the VM
- Integrated Tailscale and WireGuard tunneling to enable secure remote access to local server and to bypass CGNAT

Rust Chip8 ([source](#)) | *Rust, winit, cpal, pixels*

- Developed an interpreter for Chip-8 programming language
- Used low level crates such as winit and cpal
- Implemented all opcodes according to the original specification
- Utilized multithreading to get accurate CPU cycle timing

TECHNICAL SKILLS

Tools: GitLab CI/CD, GitHub Action, Docker, Proxmox, Bash, Git, Unix, AWS

Languages: Java, Python, Rust, C, Scala, MySQL, HTML/CSS, JavaScript

Framework: .NET Core, .NET Framework, SolidJS, ExpressJS

LANGUAGES SKILLS

Thai: Native

English: C1 (IELTS 7.0)