

# Patsakorn Boonkerd

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## EXPERIENCE

### FlowAccount

April 2025 – Now

Bangkok, Thailand

#### Software Engineer (Infrastructure)

- Created and managed declarative EKS clusters using FluxCD for GitOps, Karpenter for autoscaling, and self-hosted GitHub Action Runners, reducing operating costs by approximately 50% compared to Buildjet.
- Integrated Grafana and Prometheus for monitoring and observability within EKS clusters.
- Migrated and redesigned critical application logic from serverless Lambda to C#.
- Implemented RabbitMQ Dead Letter Queue with retry and reporting mechanisms to improve robustness.
- Developed custom code analyzer rules for org-specific issues using Roslyn and enforced these rules during PRs.
- Implemented a pseudo merge queue using GitHub Actions to streamline code integration processes.
- Onboarded teams to create an alert system using JSM, enhancing real-time monitoring and response.

### Agoda

September 2024 – March 2025 (6 months)

Bangkok, Thailand

#### Contract Software Developer (Backend)

- 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.
- Helped interns on how to migrate an application to use the new client library, and Pact contract tests.
- Implemented a kill switch while migrating the application to use in an emergency in case the application failed.
- Migrated Kotlin Spring framework application Kafka instead of Rabbit MQ.
- Onboard applications for disaster recovery by deploying to multiple datacenter using active-passive topology.

### Freelance

May 2024 – July 2024 (2 months)

Bangkok, Thailand

#### Freelance Full Stack Software Engineer

- 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)

Bangkok, Thailand

#### Software Engineer Intern (Backend)

- Integrated code coverage tool into the GitLab CI pipeline to block any merge requests with insufficient tests.
- Developed new API endpoint using .NET Core to automate previously manual process.
- Automate email sending system to eliminate the need to manually send email to partners.
- Migrated large .NET Framework legacy application to .NET Core and deployed to Istio service mesh.
- Created new data visualization dashboard using SQL in Apache Superset.

## 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

- Configured Proxmox and a Kubernetes cluster on a personal server for scalable deployment.
- Set up TrueNAS with RAIDZ1 for network-attached storage, enhancing data redundancy and access.
- Installed monitoring dashboards with Prometheus and Grafana.
- Used Portainer for hosting web applications for personal use.
- Enabled secure access and deployment with Tailscale and GitHub Actions.

## TECHNICAL SKILLS

**Tools & Platforms:** EKS, GitLab CI/CD, GitHub Actions, Docker, Proxmox, AWS, Bash, Git, Unix

**Languages & Technologies:** Java, Python, C#, Kubernetes, Terraform, SQL, Helm, Kustomize

**Frameworks:** .NET Core, Spring, ExpressJS

## LANGUAGES SKILLS

Thai: Native

English: C1 (IELTS 7.0)