Patsakorn Boonkerd

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EXPERIENCE

FlowAccount   April 2025 – Now (6 months)
Software Engineer (Infrastructure)   *Bangkok, Thailand*
- 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)
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.
- 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)
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 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)