Patsakorn Boonkerd

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EXPERIENCE

FlowAccount   April 2025 – Now
Software Engineer (Infrastructure)   *Bangkok, Thailand*
- Provisioned and managed EKS clusters using Terraform, Terragrunt, FluxCD, and Karpenter.
- Deployed self-hosted GitHub Action Runners on EKS, reducing CI/CD costs by 50% compared to Buildjet.
- Configured External DNS, Gateway API, and External Secrets for DNS, ingress, and secret sync in EKS.
- Built GitHub Actions pipeline to generate AMIs with pre-pulled images, reducing EKS node startup time.
- Deployed ephemeral Jenkins on Kubernetes using JCasC, enabling declarative single-command provisioning.
- Migrated Jenkins freestyle jobs to Shared Libraries and Jenkinsfiles with Job DSL for version-controlled configs.
- Integrated Grafana and Prometheus for monitoring and observability within EKS clusters.
- Onboarded teams to create an alert system using JSM for real-time incident monitoring and response.
- Implemented a pseudo merge queue using GitHub Actions to streamline code integration processes.

Agoda   September 2024 – March 2025 (6 months)
Contract Software Developer (Backend)   *Bangkok, Thailand*
- Onboarded applications for disaster recovery by deploying to multiple datacenters using active-passive topology.
- Migrated Kotlin Spring framework application to use Kafka instead of RabbitMQ.
- Implemented client library for .NET Core application to avoid other services calling the API directly.
- Onboarded consumer and provider contract testing using Pact to validate client library migration.
- Implemented a kill switch for safe rollback during application migration in case of failure.

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.
- Migrated large .NET Framework legacy application to .NET Core and deployed to Istio service mesh.
- Developed new API endpoint using .NET Core to automate previously manual process.
- Automated email sending system to eliminate the need to manually send email to partners.

PROJECTS

Homelab | *Kubernetes, Proxmox, Terragrunt, Docker, OpenTelemetry, Mimir, Grafana, SOPS, Tailscale*
- Configured Proxmox, Kubernetes, and TrueNAS (RAIDZ1) on a personal server for scalable deployment.
- Developed Terragrunt modules to provision Proxmox VMs and LXC containers with cloud-init.
- Deployed Komodo via Terragrunt and cloud-init, syncing Docker Compose configs from Git for GitOps.
- Configured OpenTelemetry, Mimir, and Grafana to monitor resource usage across Proxmox VMs and hosts.
- Managed secrets using SOPS with age encryption, integrated with Bitwarden Secrets Manager.
- Enabled secure access and deployment with Tailscale and GitHub Actions.

EDUCATION

Mahidol University International College   Nakhon Pathom, Thailand
Bachelor of Science in Computer Science, Minor in Japanese   *Sep. 2019 – Jul. 2024*

TECHNICAL SKILLS

Infrastructure: Kubernetes, EKS, Terraform, Terragrunt, Helm, Kustomize, FluxCD, Karpenter, Docker, Proxmox
CI/CD & Automation: GitHub Actions, GitLab CI/CD, Jenkins, Job DSL, JCasC
Observability & Networking: Grafana, Prometheus, OpenTelemetry, Mimir, External DNS, Gateway API
Cloud & Tools: AWS, SOPS, External Secrets, Kafka, RabbitMQ, Git, Bash, Unix
Languages: Python, C#, Java, SQL, HCL

LANGUAGES SKILLS

Thai: Native
English: C1 (IELTS 7.0)