Nopparuj Poonsubanan

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Bangkok, Thailand

DevOps Engineer specializing in architecting scalable database systems, automating CI/CD pipelines, and implementing tools for developers, with proficiency in Linux administration and observability solutions

Skills

Languages: Go, Python, Rust, Shell, C/C++, C#, Java, TypstScript, LaTeX, Typst
Frameworks & Libraries: controller-runtime, Next.js, Vue.js, Tailwind CSS, ASP.NET
Databases: MySQL, PostgreSQL, MongoDB, Microsoft SQL Server
Tools: Kubernetes, Grafana, Docker, FluentBit, Helm, Git, Nvim

Experience

Software Developer (DB DevOps Team, DBaaS team) *December 2024 - Present*
Agoda *Bangkok, Thailand*

- Developed a DBaaS provisioning system for PostgreSQL and Dragonfly on Kubernetes, enabling automated, scalable, and consistent database deployments
- Implemented a Kubernetes controller to ensure resource validation, and node readiness checks prior to drain operation, ensuring safe failover of CNPG pod and cleanup processes
- Built a GitLab CI/CD pipeline to automate PostgreSQL primary switchover across data centers, achieving near-zero downtime
- Developed Code-Buddy, an AI-powered tool for automated review of PostgreSQL migration scripts in GitLab Merge Requests
- Established logging infrastructure for Kubernetes clusters using Fluent Bit
- Created a custom Go output plugin for Fluent Bit, tailoring log processing
- Built and maintained a CLI tool for PostgreSQL migrations
- Deployed PGAudit across all PostgreSQL instances on Kubernetes, enabling selective database activity tracking
- Maintained and enhanced developer portal, delivering comprehensive resources, APIs, and tools to streamline development and boost productivity
- Supported on-call rotation resolving incidents

Software Engineer *June 2024 - November 2024*
Siam Commercial Bank (SCB) *Bangkok, Thailand*

- Implemented a microservice to consume and process suspicious transaction using Apache Kafka, enabling real-time data handling and improving fraud detection efficiency
- Construct and manage a Jenkins pipeline for continuous integration and deployment

Education

Chulalongkorn University *August 2020 - May 2024*
B.S. | *Computer Engineering* *Bangkok, Thailand*
Relevant Coursework: Data Structure, Algorithm Design