Pattarathon Nopwattanapong (Kong)

DevOps Engineer

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LinkedIn | Github | Medium

EXPERIENCES:

Private

Royal Thai Army - Signal Department *Bangkok, Thailand - May 2024 - Nov 2024*

- **Sub Captain of the Squad**: Showcasing exceptional leadership skills and fostering camaraderie among team members.
- Designed and implemented a system to migrate and centralize data from multiple Excel files into a MySQL server, improving data accessibility and enabling efficient querying for commander requests.
- Led the development of a Shift List Generator, a web app (HTML/CSS/JS) to improve visibility of team members' shift schedules for both soldiers and commanders.

Software Engineer

Credera UK *Manchester, United Kingdom - Sep 2022 - Mar 2024*

Platform Engineer / SRE project - Banking Firm in UK

- Developed and automated CI/CD pipelines using Terraform and GitHub Actions to support seamless infrastructure deployment for machine learning models on GCP.
- Created pre-deployment testing frameworks and monitoring dashboards, defining SLIs based on SLAs and SLOs, ensuring reliability and performance in production.
- Integrated GCP services including Vertex AI, BigQuery, and Cloud Monitoring, leveraging Python's GCP API and Playwright for automated testing and infrastructure validation.

MLOps Accelerator Project

- Developed an open-source Terraform Module that streamlined AWS ML model infrastructure deployment, reducing deployment time by 60%.
- Enhanced CI/CD processes by integrating with GitHub Actions with a custom Docker image for model deployment and server hosting, achieving increase in deployment efficiency and reliability.
- Integrated AWS SageMaker for model training and deployment to inference endpoints, incorporating Jupyter Notebooks, S3, ECR, IAM, and Python for complete deployment automation.

DevOps Project for Air Transport IT company

- Enabled client to deploy infrastructure in multiple data centres with single click, achieving a significant time saving of 30%-50% compared to conventional deployment methods.
- Innovated a config management tool enabling client to deploy infrastructure efficiently, provisioning resources such as MongoDB, MariaDB, VMs, and networking configs through single config file
- Implemented Azure DevOps for robus Pipeline Automation, integrating Terraform, Ansible, and HashiCorp Vault.

EDUCATION:

BSc Computer Science - University of Warwick, Coventry, United Kingdom
Dissertation – *London Restaurant Recommender System*

- Create Recommender System using Content-based filtering techniques. Allowing user to input their favourite restaurant(s) and generate list of new restaurants that would meet their preferences.

PROFESSIONAL SKILLS & AWARDS:

Certifications

AWS Machine Learning Specialty (2024)
AWS Solution Architect (2023)
GCP Accociate Cloud Engineer (2023)

Dev Data & Machine Learning

React, NextJS, MongoDB, FIrebase, Tensorflow, Pandas, Llama-index, Langchain, Scikit-learn

DevOps and Cloud

Terraform, Docker, Kubernetes, Github Actions, AzureDevops, AWS, GCP

Awards

ParliamentHack 2024: Best AI Project, Most Creative Project, Most Humanized Project
Zero to One Startup Competition: Top 10 FInalist