



MUHAMMAD ASYRAF NORAFANDI

Senior DevOps Engineer

CONTACT

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<https://asyrafnorafandi.dev>

SKILLS

- Terraform / Terragrunt
- AWS / GCP / Linode
- Ansible
- Github Actions
- CircleCI
- Kubernetes
- ArgoCD / FluxCD
- Prometheus / Grafana
- Datadog
- NextJS / TailwindCSS

LANGUAGES

- Malay (Native)
- English
- Japanese

Code, Deploy, Thrive
Bridging Code to Cloud with DevOps
Excellence

WORK EXPERIENCE

Senior DevOps Engineer

Cake Group – Jan 2021 – Present

- Help setup physical office in Singapore (Networking + AV Equipment)
- Deploy and maintain <https://cake.group> website
- Setup MDM for employees using Jumpcloud
- Configure Physical network switches and firewall using Ubiquiti and PFSense

Bake.io

- Setup and maintain Cloud infrastructure in AWS using Terraform, Terragrunt & Atlantis
- Deploy application services in Kubernetes using FluxCD for GitOps
- Use Rancher as the Kubernetes management and monitoring tool for devs
- Implement Incident management, APM, Database and Log monitoring with Datadog
- Maintain and monitor AWS Aurora Postgres Database to maximize performance while reducing cost
- Setup Cloudflare Zero Trust to protect internal application and services

PROJECTS

Sanddollar

The world's first retail central bank digital currency (CBDC). Help setup on-prem servers, one for the main site and another for disaster recovery. Connected the two via Site-to-Site VPN using Pfsense OpenVPN Protocol
<https://sanddollar.bs>

Ansible Role Astar Network

An open source Ansible Role available on Ansible Galaxy Repository that installs an Astar full / archive / collator Node on Linux
<https://github.com/asvrafnorandil/ansible-role-astar>

Defichain Metachain Blockscout

Deployed a Blockscout explorer for Defichain's Metachain EVM layer
<https://blockscout.mainnet.ocean.jellyfishsdk.com>

Kelab Santai Antara Sahabat)

Helped my local Table Tennis Sports Club to develop and host a website to increase online presence. Registered Google Business to help users to find and locate the Clubs location.
<https://ksas.com.my>

- Involved in the process of getting Bake ISO27001 certified
- Setup Github action pipelines for SAST, code linting and unit testing using scanning tools such as Terrascan, Semgrep, Trufflehog, and Checkov.
- Involved in Backend/Frontend debugging of ReactJS and NodeJS frameworks

Web3

- Manage 100+ Ethereum / Dash / Defichain Masternode servers using Ansible
- Setup monitoring for Blockchain nodes using Prometheus and Grafana
- Use Terraform to setup multiple nodes in different regions in AWS/Linode
- Setup Blockscout explorer for Defichain's EVM layer
<https://blockscout.mainnet.ocean.jellyfishsdk.com>
- Deploy and maintain Defichain's Ocean API + Indexer for DFI Jellyfish Lightwallet

Senior DevOps Engineer

Zynesis - May 2019 - Jan 2021

- Greatly involved in the Sand Dollar project in Bahamas. <https://www.sanddollar.bs>
- Setup on-premise servers, switches and firewall in Central Bank of Bahamas Internet Data Center
- Setup on-premise data-recovery servers in Cable Bahamas Maxil Facility
- Establish site-to-site Vpn connection between main site and data recovery site
- Used VMware's Vsphere and Vcenter software to create VMs to host necessary services
- Setup multiple API/Web/Database/Email services using Docker swarm as the orchestration tool
- Configured Pfsense firewall
- Used Portainer as the docker swarm management tool

INTERESTS

- Table Tennis
- Sports Photography
- Crypto / Blockchain
- Online Games
- Cats

Senior Software Engineer Research Development Inter Enterprise Solutions – Feb 2017 – May 2019t

- Become the lead tech solutions architect for modern web/mobile applications.
- Build CI/CD for continuous deployment of applications to the cloud in staging and production environment.
- Containerize existing applications using Docker for performance and scalability.
- Develop new frontend (Angular) and backend (NodeJS) in-house framework.
- Research and Development on penetration testing.
- Did Enhancement on In-house Coldfusion Framework Involved projects for Honda Malaysia
- Involved in development of MyHonda Customer Portal
- Involved in development of Honda Appointment and Workshop System Involved projects for Perodua
- Work order enhancement function
- BIRT report design and application

EDUCATION

Bachelor of Computer Science (Hons.)

Universiti Teknologi MARA – 2015 – 2017

Jasin, Melaka, Malaysia

Diploma in Computer Science

Universiti Teknologi MARA – 2012 – 2015

Arau, Perlis, Malaysia