



SON CAO

SITE RELIABILITY ENGINEER, DEVOPS ENGINEER, AUTOMATION ENGINEER 📍 HA NOI, VIET NAM ☎ 0855188833

◦ DETAILS ◦

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Ha Noi
Viet Nam
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Date of birth
04/08/1991

◦ SKILLS ◦

Cloud, Azure, AWS, GCP
Docker, Nomad, Kubernetes
Terraform, Ansible
Python, Linux
Gitlab, Github
Kafka, Redis
ElasticStack, Splunk, Datadog,
Grafana

👤 PROFILE

- Over 9 years of IT industry experience in roles including DevOps / Site Reliability Engineer Automation Engineer.
- Certified in AWS | Azure | Kubernetes
- Effective in both independent and collaborative team environments
- A quick learner and willing to take on challenging tasks to contribute to project success

📁 EMPLOYMENT HISTORY

DevOps Engineer at SilverAI, HaNoi

March 2024 — Present

- Responsible for handling support requests and incidents
- Built AWS infrastructure from scratch, including VPC, Network Load Balancer, Terraform codebase, and Ansible for deploying service models and provisioning infrastructure
- Migrate current GCP infrastructure to Terraform
- Migrate AI workload from GCP to AWS,
- Improve the current CI/CD approach by centralizing GitHub Actions workflows and applying Packer for building service VM images and automating workflows for deployment to AWS ASG.
- Implement monitoring solution for GPU workloads using Grafana and NVIDIA Exporter.
- Setup Cloudflare Load Balancer and Rules for traffic switching and running workloads across multiple clouds (AWS/GCP).
- Implement a logging solution using Grafana Cloud and Grafana Loki, migrating from Grafana Promtail.
- Setup a Slurm cluster for AI development on GCP
- Experiment with migrating AI workload base from VM to Kubernetes on EKS and GKE

Site Reliability Engineer at Xendit

June 2022 — February 2024

- Implement a spot EKS Nodegroup infrastructure that significantly reduced EKS infrastructure costs
- Plan and perform cluster upgrades for a dozens EKS clusters regularly
- Set up secure connections between Shopify and a third-party service using Cloudflare, managing WAF rules for security compliance with features like rate limiting and IP whitelisting
- On-call Duty every 2 month becoming the primary responder for all ad-hoc requests and emergencies, join the war room and contribute to vary postmortem action
- Utilizing Datadog and Splunk, analyzed system performance, identified and troubleshooted issues.
- Develop Datadog dashboards and custom metrics to monitor ad hoc metrics such as domain and certificate expiry

- Support the product team and mentor other colleagues, actively participating in PR reviews to ensure that best practices, coding standards, and project requirements are followed
- Contribute to the regional migration service from Oregon to the SG region for various product teams, transitioning from RabbitMQ to Kafka and AWS SQS
- Provide guidance to the product team on utilizing Kubernetes such as Ingress, Jobs, CronJobs, resource utilization.
- Contribute to the team's Terraform module and Helm chart. Implement IAC following a team-centric strategy to enable product teams to self-serve provision various resources, and manage their team permissions

DevOps Engineer / Site Reliability Engineer at One Mount Group, Ha Noi

December 2019 — April 2022

- Designed and implemented the infrastructure CI/CD pipeline for a new development project, effectively managing urgent requests within deadlines
- Write CICD template for development team to reuse
- Contribute significantly to the Data Platform project by assisting in setting up CDC with Oracle and Confluent Kafka, building ingestion infrastructure using Spark Operator and Kubernetes
- Improved workflow, pipeline, and build speed by reducing build time by 80%. Achieved by utilizing Gitlab Runner on local SSD and significantly increasing concurrency with K8s runner using Docker in Docker
- Provided support and troubleshooting for infrastructure, environment, network, deployment, and runtime issues
- Migrate services from DataCenter to GKE in Google Cloud.
- Built and maintained centralized self-hosted DevOps tools, including Gitlab, Kafka, Elasticsearch, and Artifactory

DevOps Engineer at Niteco, Ha Noi

March 2019 — December 2019

- Pioneered member to Setup DevOps life cycle and Managed Services process
- Proactive handle and support client via the ticket system and on-call
- Design and build up system architecture on Cloud
- Contributed to project bids

Automation Engineer for Telstra at FPT Software , Ha Noi

March 2018 — March 2019

- Manage and optimize infrastructure and enterprise applications, satisfy all stakeholders.
- Respond to high severity production issues escalated by operations teams
- Contribute to the migration strategy of Atlassian applications to AWS
- Work closely with the development team to ensure the successful deployment and operation of their application.
- Support thousands of users in the Atlassian ecosystem: Tools configuration, problem investigating, suggest best practice.

AWS Cloud Engineer for Essent at FPT Software , Ha Noi

June 2017 — March 2019

- Manage and operate a large scale system on AWS
- Monitoring Infrastructure, Application 24/7
- Contribute to system architecture design.
- Technical support for client
- Proactively monitoring customer system and application

Quality Assurance Engineer, Ha Noi

2015 — 2017

- Working on Product Kofax Total Agility and Kofax Front Office Server
- Study requirement and design test case, test charter, test script. Run daily Automation test and manual test.
- Maintain Test Environment in the Azure cloud.
- Support developer in fixing bug and troubleshoot problem,
- Daily Report and communicate with team in USA.

★ CERTIFICATION

CKA: Certified Kubernetes Administrator

April 2024 — April 2026

https://www.credly.com/badges/18286ab8-1df9-4acc-ae0f-cc87047dbf2e/public_url

CKAD: Certified Kubernetes Application Developer

June 2024 — June 2026

https://www.credly.com/badges/ce221b52-7a9b-47f6-9f26-e976c74926d4/public_url

Microsoft Certified Azure DevOps Engineer Expert

August 2019 — August 2021

<https://www.credly.com/badges/f79df183-ec1f-4a74-93f6-d01ac0f35a88>

AWS Certified Solution Architect Associate

December 2017 — December 2020

<https://www.credly.com/badges/eb20a645-9469-4e83-8da2-51c31ac2e231>

Microsoft Certified Azure Solution Architect Expert

May 2019 — May 2021

<https://www.credly.com/badges/37634b3a-03ea-4c83-affa-f58956fb88aa>

Microsoft Certified Azure Administrator Associate

July 2019 — July 2021

<https://www.credly.com/badges/a067aea2-6bea-4487-9896-73b51115be28>

🎓 EDUCATION

Bachelor, Genetic Bach Khoa, Ha Noi

2009 — 2014