

# KY NGUYEN

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## SUMMARY

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DevOps Engineer with over 4 years of experience specializing in system optimization and cost efficiency. Strong focus on eliminating barriers and utilizing advanced deployment techniques. Passionate about exploring new ideas and introducing efficiency wherever possible.

## SKILLS

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**Technical:** AWS, Azure, Linux, Python, Shell Script, Terraform, Terragrunt, Ansible, Packer, Docker, Helm, ArgoCD, Kubernetes, CloudFormation.

**Others:** Zabbix, Confluence, Jira, SonarQube, Trivy, Grafana, Prometheus, Loki.

**Certification:** Azure Fundamental.

## WORK EXPERIENCE

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### Techsoft

March 2023 - Present

#### DevOps Engineer

- Optimized AWS infrastructure, cutting data warehouse costs by 20% and ensuring data readiness after nightly jobs for BI tool before the market open.
- Automate tasks with AWS Lambda using Python.
- Assist in onboarding client legacy system to Azure while developing new infrastructure under the Microsoft Cloud Adaptation Framework.
- Centralize monitoring dashboard with custom metric using Grafana, Loki, Prometheus, greatly improving backend availability.
- Leverage GitOps for efficient AKS deployments with ArgoCD and custom Helm charts.
- Build and maintain CI/CD pipelines with SonarQube and Trivy for code quality and security.
- Handle Terraform and Cloudformation for infrastructure automation.
- Manage IT operations, networking, and system administration.

### Saigon Technology

June 2022 - March 2023

#### DevOps Engineer

- Supported the company AWS infrastructure with Terraform and IaC principles.
- Consulted client with the best DevOps practices ultimately led to successfully obtaining PCI compliance.
- Developed custom pipes in Bitbucket Pipelines to accelerate development, enhance deployment efficiency, and minimize downtime.
- Worked closely with management to develop various products and solutions, as well as incident management.
- Automated tasks on-premises servers using Shell scripts.

### Sun\* Vietnam

October 2020 - May 2022

#### System Engineer

- Supervised and maintained on-premises Linux Citrix XenServer, AWS services, and other associated services, ensuring company operational readiness.
- Spearheaded the migration of legacy software to meet newer requirements without significant downtime.
- Utilized Ansible, Terraform, and Github Action for project automation and CI/CD.
- Developed shell scripts and configured alerts to identify incidents and outages, enhancing infrastructure reliability and operational continuity.

## EDUCATION

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### Da Nang University of Science and Technology

September 2016 - May 2021

- Bachelor of Science in Embedded Systems