

## Contact

[www.linkedin.com/in/bach-nguyen-cao](https://www.linkedin.com/in/bach-nguyen-cao) (LinkedIn)

## Top Skills

Docker  
Java Spring boot  
Kong API Gateway

## Certifications

Microsoft Certified: Azure Fundamentals  
Preparing for Your Associate Cloud Engineer Journey  
Essential Google Cloud Infrastructure: Foundation  
PROFESSIONAL JAVA BACK-END DEVELOPER  
Google Cloud Fundamentals: Core Infrastructure

# Bach Nguyen

DevOps Engineer @ Renesas Electronics | AZ-900 AZ-104 AZ-400  
Ho Chi Minh City, Vietnam

## Experience

### Renesas Electronics

#### DevOps Engineer

October 2023 - Present (1 year 6 months)

Ho Chi Minh City, Vietnam

- Architected CI/CD pipelines using Jenkins, reducing deployment time by 60% and implementing automated testing for 10+ microservices
- Deploy and Managed Kubernetes clusters (k8s & k3s) with Helm charts on-premise, orchestrating 50+ pods and achieving zero-downtime deployments by implementing Helm Chart
- Developed and maintained Infrastructure as Code using Terraform and Terragrunt, managing multi-environment infrastructure across on-premise VMware (RedHat) servers.
- Automated configuration management for K3s Cluster using Ansible, reducing system setup time from days to hours.
- Containerized Multiple FE and BE applications using Docker, improving resource utilization by 40% and enabling consistent development environments.
- Set up and deploy the Keycloak Service to connect to the Renesas Active Directory to build authentication and authorization.
- Deployed and maintained ELK stack for centralized logging, and improved system observability.
- Design & Deploy simple robust event-driven architectures using Kafka, processing 10k messages based on schedule.

### Viettel IDC

#### DevOps Engineer

August 2022 - October 2023 (1 year 3 months)

Ho Chi Minh City, Vietnam

- Developed RESTful APIs using Spring Boot (CRUD) Features.
- Containerized Spring Boot applications with Docker, enabling consistent deployment across environments
- Designed and optimized database queries

## Education

HCM University Of Technology (HUTECH)

Bachelor's degree, Automotive Engineering Technology · (January 2016 - January 2021)

CyberSoft Academy

Certificate, PROFESSIONAL JAVA BACK-END DEVELOPER · (April 2023 - August 2023)