

NGUYEN QUOC KHANG

AWS Certified Solutions Architect - Professional | AWS Certified DevOps Engineer - Professional
DevOps Engineer | Cloud & Linux Infrastructure | Terraform | CI/CD | Automation | Backup & Monitoring

Ho Chi Minh City, Vietnam | +84 767 188 939 | nguyenquockhang1610@gmail.com | Portfolio: nguyenquockhang.com

PROFESSIONAL SUMMARY

Dual AWS Professional-certified DevOps Engineer with hands-on production experience across Linux, LXD/LXC, Hyper-V, AWS/OVH, Terraform-based infrastructure, CI/CD, backup and restore, monitoring, DNS, mail delivery, n8n automation and business system integration. Experienced in building repeatable environments for Odoo/LXC/Nginx, supporting GitHub Actions workflows, and connecting business tools with reliable automation. Focused on reliability, security, cost control, documentation and repeatable operations.

Core value

Infrastructure operations, automation, monitoring and backup for multi-client environments.

Delivery style

Build with logs, alerts, failure handling, restore paths and practical handover notes.

Portfolio

nguyenquockhang.com
DevOps, n8n, AI automation and cloud operations.

CERTIFICATIONS



AWS Certified Solutions Architect - Professional

Amazon Web Services Training and Certification
Issued: May 22, 2026 | Expires: May 22, 2029
Validation: 2c7d9c6367af49c195173ad685e875fb
Verify: aws.amazon.com/verification



AWS Certified DevOps Engineer - Professional

Amazon Web Services Training and Certification
Issued: June 5, 2026 | Expires: June 5, 2029
Validation: 064564309e4b4085b358a7c47164beb8
Verify: aws.amazon.com/verification

CORE TECHNICAL SKILLS

Cloud & Infrastructure	AWS: EC2, S3, SES, Route 53, IAM, EKS fundamentals, CloudFront, Cost Explorer, Systems Manager Google Cloud OVH Wasabi DigitalOcean Vultr
Linux, Virtualization & Containers	Linux administration LXD/LXC Docker Docker Compose Hyper-V Kubernetes fundamentals Helm basics pfSense/OpenVPN
Infrastructure as Code & CI/CD	Terraform for repeatable infrastructure and LXD/LXC/Odoo/Nginx environment provisioning Jenkins GitHub Actions Bash Python
Automation & Business Workflows	n8n AI agents Airflow Webhooks REST APIs Google Workspace Odoo Monday.com Twilio/Vapi Slack/Google Chat
Monitoring, Backup & Recovery	Zabbix Uptime Kuma Kopia Veeam concepts Wasabi/S3 backups Restore testing Backup reports and notifications
Networking, DNS & Security	Cloudflare DNS/WAF/SSL Nginx/OpenLiteSpeed SSL/TLS SPF/DKIM/DMARC Fail2ban VPN IAM fundamentals

PROFESSIONAL EXPERIENCE

DevOps Engineer | ITMS Vietnam

Dec 2023 - Present | Ho Chi Minh City, Vietnam

- Administer Linux, LXD/LXC and Hyper-V infrastructure for multi-client environments, covering container operations, server maintenance, migration support and incident troubleshooting.
- Build backup and restore workflows for LXC/Odoo/Hyper-V workloads using Bash, Kopia, Veeam concepts, Wasabi/S3-compatible storage, logging and automated status notifications.
- Manage AWS/cloud resources across EC2, S3, SES, Route 53 and IAM-related access, with attention to reliability, cost control, backup storage and service troubleshooting.
- Use Terraform to build and standardize company infrastructure environments, including LXD/LXC-based Odoo workloads, Nginx reverse proxy components, repeatable configuration patterns and deployment handover notes.
- Support the development team with GitHub Actions workflows, CI/CD troubleshooting, repository-driven automation, secrets/environment configuration and deployment pipeline improvements.
- Deploy Zabbix and Uptime Kuma monitoring for servers, containers, services, expiry checks and custom alerts; automate practical restart/notification scenarios where appropriate.
- Configure Cloudflare DNS, SSL, WAF rules, proxy settings, domain routing, Nginx/OpenLiteSpeed and email records for production websites and client applications.
- Troubleshoot production issues across CPU steal, web server memory limits, PgBouncer/database connection waits, DNS/SSL, pfSense routing, VPN and mail deliverability.
- Implement CI/CD and workflow automation with Jenkins, Airflow, GitHub Actions, Python/Bash and n8n, connecting cloud services, Google Workspace, Monday.com, Slack/Google Chat and business systems.
- Design n8n workflows for business operations, including AI chatbot flows, Google Workspace automation, Odoo-related processes, review monitoring, file handling, alerts and webhook-based integrations.

SELECTED PROJECTS & DELIVERY EXPERIENCE

Terraform-based LXC/Odoo/Nginx Environment Provisioning

Terraform, LXD/LXC, Odoo, Nginx, Linux, Cloudflare, Bash

- Built repeatable company infrastructure patterns for LXC/LXD-based Odoo environments, including Nginx reverse proxy configuration, container standards, DNS/SSL handover and operational documentation.
- Improved provisioning consistency and reduced manual setup work for new or migrated business environments.

GitHub Actions & CI/CD Enablement for Development Team

GitHub Actions, Jenkins, Git, Secrets, Bash, deployment workflows

- Supported team members in creating and troubleshooting repository-driven CI/CD workflows, environment variables, secrets, branch triggers and deployment automation.
- Helped standardize operational handover between development, deployment and infrastructure support.

AI & Workflow Automation Systems

n8n, Twilio, Vapi, Google Workspace, Monday.com, Slack/Google Chat, LLM APIs

- Designed automation workflows for inbound SMS/MMS, AI lead scoring, file/media handling, Google Sheets/Drive logging and team notifications.
- Built voice-call and chatbot flows using Vapi/Twilio/n8n, including structured data capture, lead qualification and webhook processing.
- Created automation concepts for Google Maps review monitoring, Route 53 billing retrieval, OCR-to-JSON processing and Monday.com task alerts.

Multi-Server LXC Backup & Recovery Automation

Linux, LXD/LXC, Bash, Kopia, Wasabi/S3, Google Chat

- Built scripts and workflows for backing up running LXC containers and Odoo/PostgreSQL workloads from production hosts to backup storage.
- Integrated status logging, error handling, cleanup and notifications to make backup operations easier to verify and support.

Monitoring & Infrastructure Reliability

Zabbix, Uptime Kuma, Linux, pfSense, Cloudflare, Nginx/OpenLiteSpeed, AWS/OVH

- Implemented monitoring checks and operational alerts for server health, container/service availability, SSL/DNS, Odoo expiry checks and backup status.
- Investigated performance and networking incidents, including CPU steal, Hyper-V/pfSense routing problems, firewall issues and web server memory limits.

AWS Media Streaming CDN Exploration

AWS S3, CloudFront, MediaConvert, Lambda, Route 53 | Jun 2023 - Jul 2023

- Developed a video delivery website using AWS managed services to process, store and distribute formatted videos through CloudFront CDN.

Terraform-based Jenkins CI/CD Implementation

Terraform, Jenkins, Kubernetes, AWS EKS | Aug 2023 - Dec 2023

- Converted the AWS media streaming project into Terraform-based infrastructure as code and deployed with Jenkins CI/CD and Kubernetes on EKS.

PORTFOLIO CASE STUDIES

Portfolio: <https://nguyenquockhang.com> - selected anonymized examples of DevOps, cloud infrastructure, monitoring, backup, AI automation and business workflow delivery.

LXC Backup & Recovery Automated backup workflows for LXD/LXC production containers with Kopia, S3-compatible storage and Google Chat visibility. <i>Linux LXD/LXC Bash Kopia Wasabi/S3</i>	Odoo & Business Integration Automated document/file workflows around Odoo APIs, Google Drive, Airflow, OAuth2, PDFs and OCR-driven processing. <i>Odoo Python Airflow Google Drive API</i>
n8n AI Automation AI chatbot and workflow automation patterns using n8n, LLM APIs, RAG concepts, Qdrant, webhooks and team notifications. <i>n8n OpenAI/Gemini/Claude/Groq Qdrant</i>	Monitoring & Alerting Operational visibility across servers, websites, VPNs, mail systems, WordPress and production applications. <i>Zabbix Uptime Kuma Cloudflare Google Chat</i>
Mail/DNS Deliverability SES/SMTP setup, Postal/Mailcow operations, SPF, DKIM, DMARC, DNS and delivery troubleshooting. <i>AWS SES Postal Mailcow DNS</i>	Workspace Operations Google Workspace, SharePoint, OneDrive, permissions, shared drives, user access and document workflow support. <i>Google Workspace SharePoint Microsoft 365</i>

EDUCATION

Bachelor of Electronics and Telecommunications Engineering | Major: Network

Post and Telecommunications Institute of Technology | 2019 - 2024

ADDITIONAL INFORMATION

- Languages: Vietnamese native; English working proficiency for technical reading, client updates and documentation.
- Portfolio: <https://nguyenquockhang.com> - DevOps, cloud infrastructure, n8n automation, AI workflow and selected project examples.
- Strengths: practical troubleshooting, ownership, documentation, client communication, fast learning and automation-first mindset.