TRAN QUOC DUY

DEVOPS ENGINEER

📞 +84961407981   @ thomastran6832@gmail.com   🔗 linkedin.com/in/thomastran6832   📍 District 7, Ho Chi Minh

SUMMARY

- With over 7 years of experience in the IT industry, I have evolved from Network and System Admin to a dedicated DevOps Engineer, leveraging my background in infrastructure, cloud solutions, and automation to drive impactful technology initiatives. Over the past 3 years in DevOps, I've honed my skills in building scalable, efficient, and resilient systems while streamlining CI/CD processes and automating workflows to support continuous delivery and reliability.
- Short-term: Become an expert as DevOps, mastering tools and cloud platform
- Long-term: Transition into a DevOps Lead role, mentoring teams and driving excellence.

WORK EXPERIENCE

Linux Devops Engineer
GENE SOLUTIONS LAB Ltd   📅 02/2024 - Present

Biotech company specializing in genetic diagnostics across Vietnam and global markets.
- Applied DevOps practices across the entire software development lifecycle, improving collaboration, automation, and delivery speed.
- Deployed hybrid cloud infrastructure (AWS, GCP, on-prem) using Terraform and Ansible, reducing provisioning time by 45%.
- Built and maintained CI/CD pipelines with GitLab, enabling 50+ stable monthly releases.
- Managed 100+ VMs and containers, ensuring 99.9% system uptime.
- Proactively handled system issues with a strong focus on debugging, troubleshooting, and performance monitoring.
- Orchestrated seamless collaboration between IT and Data teams, transforming complex requirements into robust infrastructure solutions that powered critical genetic diagnostic pipelines.

Linux System Engineer - Remote
GEA - Grenobloise d'Electronique et d'Automatismes (Outsource)

📅 02/2021 - 01/2024
- Managed high-availability ETC systems for 5M+ users across Overseas, ensuring 24/7 uptime.
- Containerized database environments, automating backups, failover, and performance tuning for enhanced reliability.
- Developed infrastructure scripts to enforce security best practices and system hardening protocols.
- Established comprehensive monitoring solutions, reducing incident detection and response time by 65%.
- Collaborated with global teams to streamline deployments, minimizing disruptions through effective release management.

Project Engineer
H&A Solutions & Services Ltd   📅 01/2020 - 01/2024
- Managed several project teams (3-10 people), kept teams on schedule with Agile & Scrum Methodologies.
- Acted as Presales Engineer, preparing technical proposals for clients.
- Delivered cloud services and managed network infrastructure.
- Developed and implemented solution to replace PMC Toll MTC to ETC
- Managed projects with small budgets.
- Management of network infrastructure, system and military communication.

EDUCATION

Bachelor of Computer Science (BCompSc)
Ton Duc Thang University

LICENSES & CERTIFICATIONS

IBM Applied DevOps Engineering Professional Certificate
Issued by IBM

AWS Cloud Solutions Architect
Issued by AWS on Coursera

PROJECT

Architecting and migrating Genesolutions core CRM to AWS

Deployed GeneAnalyst™ - proprietary genomic sequencing pipeline

Developed automated n8n enterprise system for MUNAFF's global client

SKILLS & EXPERTISE

Technical Expertise

Experience:
- **CI/CD & Automation:** GitLab CI/CD, Jenkins, GitHub Actions
- **Cloud Platforms:** AWS (EC2, S3, Lambda,..), GCP
- **Infrastructure as Code:** Terraform, Ansible
- **Monitoring & Observability:** ELK Stack, Grafana

Knowledge:
- **Security & Compliance:** SAST/DAST, HashiCorp Vault
- **Orchestration:** Docker swarm, Kubernetes, Helm
- **Scripting:** Python, Bash
- **Service Mesh:** Istio

Familiar:
- **Containerization:** Docker, Docker Swarm
- **Virtualization:** VMware, KVM, Proxmox
- **Database & Caching:** MySQL, PostgreSQL, Redis
- **Incident Management:** Root cause analysis, Backup strategies