



Date of birth: 09/1993
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VIET TRAN – SENIOR DEVOPS ENGINEER

ACHIEVEMENT

2020: Passed the AWS SysOps Associate Certification

2020: 1st prize in EPAM Security Hackathon (CTF formula)

2021: Passed the assessment from EPAM Assessment committee to become the Senior DevOps Engineer in DevOps.Linux.CI/CD principal.

SUMMARY

Play the DevOps roles, that collaborate between the developer and the system operations.

Bring the stability, efficiency, security, and availability of technical systems that deliver business value.

Skills and Awards:

- CDN Platforms: CloudFlare;
- CNCF: CNCF Container Runtime: Docker;
- Cloud & DevTestSecOps: DTSO/DevOps: DevOps/Automation;
- Cloud & DevTestSecOps: DTSO_Technologies: Networking ;
- Cloud Platforms: AWS.Networking & Content Delivery: API Gateway, CloudFront, Route 53, VPC;
- Cloud Platforms: AWS.Security, Identity & Compliance: AWS Secrets Manager;
- Cloud Platforms: Amazon Web Services;
- Cloud Platforms: AWS.Management & Governance: CloudWatch;
- Cloud Platforms: AWS.Compute: EC2, Lambda;
- Cloud Platforms: AWS.Storage: EFS, S3;
- Cloud Platforms: AWS.Containers: Elastic Container Service, EKS;
- Cloud Platforms: AWS.Database: RDS;
- Continuous Integration & Delivery tools: Gitlab CI, Jenkins;
- Digital media standards: Video Streaming: HLS;
- Infrastructure Management Tools: Terraform;

- Infrastructure Tools: Kubernetes;
- Monitoring and log management tools: Log management tools: Graylog;
- Network Tools: Firewalls: FirewallD, Uncomplicated Firewall(UFW);
- Network Tools: Proxy Servers: HAProxy, Proxy (SQUID), Squid;
- Network Tools: WinSCP;
- Network Tools: Traffic sniffing tools: tcpdump;
- Network technologies and services: Network protocols: DHCP, FTP, Layer 4, TCP, UDP, SCTP;
- Network technologies and services: Network services: DNS (BIND), IPTables, NAT;
- Operating Systems: Linux, macOS, Windows;
- Scripting Languages: Bash, Python;
- Security Protocols and Standards: SSH;
- Software Configuration Management Tools: Package Management Tools: Apt repository, Debian Packaging System, RPM, YUM;
- Virtualization Tools: Oracle VirtualBox, libvirt.

WORK EXPERIENCE

Oct-2020 - Till now (May-2021) - System Engineer, EPAM Systems, <http://www.epam.com>

Customer: EV - Real Estate

Project: Smart Home Solution for Mobile App

Team Size: Dev teams : 20 peoples QA teams : 5 peoples Devops teams : 7 peoples

Project Role: Senior DevOps

Tasks performed:

- Take care of infrastructure in AWS through terraform.
- Created new stages such as spot bug, dependency check, automation tests on Jenkins pipeline.
- Optimized and tuned for Jenkins pipeline every day.
- Support the deployment to multiple environments.
- Improved the security of cluster by applying security mechanisms to secrets.
- Hardened the infrastructure.
- Consulted for the Develop and DevOps teams on different specs such as security, high availability, threshold of services, DR.
- Leading newcomers for onboarding the project.

Environment:

- Postgres 9.6 Postgres 12.4
- Infrastructure: EKS, S3, RDS, ElasticCache and SQS based on terraform on AWS.
- API Gateway: Kong, Istio, Nginx ingress
- CI/CD tools: Jenkins, Sonar, Nexus
- Tracing tools: Kiali, Jaeger Log: Fluentbit + Graylog

- Monitor: Node exported + Prometheus + Grafana
- Authentication and Authorization tools : Keycloak
- Microservices Rest API

Feb-2020 - Apr-2020 - System Engineer, EPAM Systems, <http://www.epam.com>

Customer: Software & Hi-Tech

Project (MVP): Develop digital banking solution by implementing ThoughtMachine Vault system on GCP as back-end core banking service and integrating with mobile front-end app

Team Size: Dev : 6 members, QA : 2 members, BA : 1 members, DevOps : 1 members

Project Role: DevOps Engineer

Tasks performed:

- Built the pipeline to build the mobile app on Expo.
- Built the CI with GitlabCI and CloudBuild to deploy the backend components.
- Managed the components and security on GCP.
- Supported the Automation test.
- Documented the compliance and security for project.

Environment:

- MySQL (Cloud SQL)
- Bitrise Expo Visual Studio Code GCP Terraform
- GCP - Google Cloud Platform : Cloud Functions, Cloud SQL, Cloud Build, Cloud Endpoint, Cloud Run, IAM, VPC

Jul-2019 - Feb-2020 - DevOps Engineer, EPAM Systems, <http://www.epam.com>

Customer: Software & Hi-Tech

Project: Desktop Alerting and OnSolve UI

Team Size: Dev Teams : 4 members QA : 2 members

Project Role: DevOps Engineer

Tasks performed:

- Understanding of continuous integration concept and experience in managing CI servers
- Solid UNIX/Linux user experience
- Test/dev infrastructure support
- Maintain Dev/UAT environments
- Tuning and support, execution of performance test
- Deployment to Staging and Prod operation
- Troubleshooting daily issues
- Practical experience in setting up CI/CD pipeline with variety of tools (Teamcity, Octopus, GitlabCI)

Environment:

- MSSQL - Lru cache - MySQL
- MobaXterm, Gnome connection manager
- UNIX/Linux: Ubuntu 16.04
- Window components (LDAP, AD, DNS, Event viewer. Networking, v...v...)
- Docker - Kubernetes
- Queue tools: RabbitMQ
- CI/CD tools: TeamCity, Octopus, GitlabCI, Artifactory
- Code Scan tools: SonarQube, Veracode

Feb-2017 - Jun-2019 - Senior System Engineer, Flix Viet (startup)

Customer: HTVC (Cable TV provider)

Project: Transcode system - one video or signal input will get output with multiple quality (480p, 720p and 1080p). Streaming system - video streaming platform - support the development and improve the hardware utilization.

Team Size: System Engineer Team : 3 members

Project Role: Senior System Engineer

Tasks performed:

- Configure and build Storage server: Ceph cluster - 20 servers for film storage and OpenStack storage.
- Deploy and maintain the Transcode system and integrating it with OpenStack.
- Working with Wowza service - a software converting analog signal to digital.
- Streaming system: tuning server not only software but also hardware for 15GB/s throughput per server.
- Troubleshooting website's issues and security problem.

Environment:

- MySQL, MongoDB
- Nginx, Openresty
- FFmpeg, Wowza
- Linux
- Ceph, OpenStack
- Nginx, Openresty
- Streaming protocol (rtmp, hls)
- Handling pure signal TV stations

Jul-2015 - Feb-2017 - System Engineer, VNG Corporation

Customer: Product service

Project: Game server maintenance : maintain variable of system (Linux, Windows) in both bare metal or virtual machine. Rancher: Dockerize the login system and deploy to rancher

Team Size: System team: 4 members

Project Role: Maintainer and Researcher

Tasks performed:

- Maintain different games with over 200 servers and different environments: CentOS 6.x, Window Server 2008.
- Scripting for monitoring, operating system and backing up log.
- Updating and improving system component for better operation.
- On call 24/7 and weekends for all system's issues.
- Apply new technologies such as Docker, Rancher, Kubernetes to reduce the cost of server per month.

Environment:

- MongoDB, Mysql, MSSQL
- SSH Client, Bash, PowerShell
- Linux, Windows
- Nginx, Haproxy, Keepalived
- Rancher, Docker

EDUCATION

Name of the Education Establishment: UNIVERSITY OF SCIENCE HO CHI MINH CITY

Faculty/College: Computer Networking and Telecommunications

Degree (diploma): Bachelor