



LUU DUC HUNG

Senior DevOps Engineer

SUMMARY

Critical thinking, independent decision-making and lifelong learning enable me to drive projects forward. Working independently and as a team are what I am looking for to create meaningful solutions that not only positively impact the business but also the life of our customers.

Specialties

- Consult, develop and support development teams to migrate their services to the cloud, i.e., AWS, GCP and Azure
- Architect CI/CD pipelines, Infrastructure as Code (Terraform, CloudFormation)
- Define DevSecOps best practices, mentor and train teams to be self-sufficient in that aspect
- Build and test automation framework, administrate test cases
- Incident management and support during incidents and outages
- Manage and improve infrastructure development, CI/CD pipelines and DevOps tools
- Assess and review AWS Cloud and hybrid environment for optimization and best practices
- Participate in technical reviews of requirements, design, code and other artifacts

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, PowerShell, bash/shell
- **CI/CD:** Jenkins, Github Action, TeamCity, Bamboo, Spinnaker, Azure DevOps, AWS CodePipeline
- **Infrastructure As Code:** Terraform, Terragrunt, CloudFormation, Ansible
- **Amazon Web Services:** CLI, EC2, S3, RDS, ELB, VPC, CloudFront, IAM, SSM, Lambda, ECS, EKS, AppStream, CodeBuild, DynamoDB, SQS, WorkSpaces
- **Source Control:** Git, SVN, Bitbucket, Github
- **Process:** Agile, SAFe
- **Monitor & Log:** Grafana, Prometheus, CloudWatch, New Relic, Datadog
- **Bug Tracking Tools:** Jira, Trello

EDUCATION

- Aalto University - Master of Science (Technology), Program in Computer, Communication and Information Sciences

- Ulster University - Erasmus Exchange, Business, Management, IT, and Related Services
- Lapland University of Applied Sciences – bachelor's degree, Business Information Technology

Certification

- AWS Certified Solutions Architect – Associate (SAA-C02)
- Microsoft Certified: Azure Fundamentals
- Certified ScrumMaster® (CSM®)

WORKING EXPERIENCE HIGHLIGHTS

Nets Group (May 2022 - Nov 2022)

Role: Senior DevOps Engineer

- Migrate CI/CD build projects from Jenkins to Github Actions and AWS CodePipeline
- Architect Azure DevOps CI/CD pipelines, create infrastructure templates and set up the CD pipeline to Azure Kubernetes Service
- Prototype, evaluate and facilitate Terraform Cloud and Vault to use in production
- Define DevSecOps guideline and best practices, document, mentor and train development teams
- Technologies: AWS, Azure, Azure DevOps, Github Actions, Jenkins X, SonarQube, Terraform, Vault, Docker, Kubernetes

Trimble Inc (Jan 2016 – Apr 2022)

Role: DevOps Engineer

- Develop and monitor AWS CI/CD infrastructure: AWS CodeCommit, CodePipeline, CodeBuild, ECR, EKS
- Breakdown monolith application to microservices, implement boilerplate for the backend infrastructure: Docker, Kubernetes, Simple Queue Service, route53, EC2, Beanstalk, AWS RDS
- Architect and develop serverless architecture REST API: API Gateway, Lambda, DynamoDB, Route53
- Integrate Okta federation to AWS IAM accounts, enable SSO access
- Prototype and evaluate Google Cloud Platform CI/CD pipelines: Cloud Run | Container Registry | Docker | GKE | Terraform | Spinnaker
- Configure and monitor AWS Security and system availability: WAF, Shield, Inspector, IAM, Guard Duty, Cloud Watch, Cloud Trail
- Supervise on premise TeamCity CI/CD pipelines: monitor availability, update servers, set standards, fix and troubleshooting build projects
- Deploy high performance 3D software to AWS Workspaces, later AWS AppStream 2.0
- Technologies:

- Amazon Web Services (ECS, EKS, Lambda, S3, ECS, RDS, ELB, API Gateway, AWS Workspaces, EC2, Beanstalk, Cloud formation, SNS, AWS AppStream 2.0, etc.)
- Terraform, Cloud Formation, AWS CDK
- TeamCity, Jenkins, SonarQube, Selenium
- Atlassian stack: Bitbucket, Jira, Confluence, Bamboo

Elgiganten AB (Jul 2014 - Dec 2014)

Role: Data Analyst

- Research the potential of mobile Big Data for business decision-making in the case company's store
- Develop embedded software for IoT sensors to track customers' activity and location
- Scrutinize suitable Apache Hadoop application to deploy in the case company
- Technologies: Python, Apache Hadoop, R, Cassandra

Bothnia Invent AB (Jan 2013 - Dec 2013)

Role: Software Engineer

- Manage the performance of 5 kiosks across Finland, Sweden and Norway.
- Develop and improve Avis's Kiosks User Interface.
- Program and deploy software based on C# .NET that allows staff to remotely work with customers and control kiosk sys
- Maintain back-office FTP server containing all sensitive personal customers' detail, making sure server working 24/7 safe
- Technologies: C# .NET, LAMP, MongoDB