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INTRODUCTION

A DevSecOps Lead with over 3 years of management experience, complemented by 6+ years as a DevOps Engineer. I specialize in architecting, automating, and optimizing mission-critical deployments across large-scale infrastructures, with strong proficiency in Configuration Management tools and developing robust CI/CD pipelines.

EDUCATION

August 2012 - August 2016	**HCMC University of Technology and Education** Major: Computer Networks GPA: 2.80/4

WORK EXPERIENCE

March 2021 - Now	**Mercatus (Relationshop)** DevSecOps Team Lead - Cloud Solution Architecture: Designed and consulted on scalable and resilient system solutions for Public Cloud platforms, including Azure and AWS. - Azure Landing Zone Development: Successfully built, designed, and managed Azure Landing Zones, establishing secure, scalable, and compliant cloud foundations. - CI/CD & GitOps Implementation: Developed and implemented robust CI/CD pipelines using GitOps methodologies, leveraging a diverse set of tools such as Jenkins, TeamCity, GitHub Actions, Azure DevOps, Bamboo CI, and ArgoCD. - Security & Compliance: Implemented and maintained systems compliant with international standards such as ISO/IEC 27001 and PCI DSS - Database Design & Management: Designed and built database models for various platforms, including MSSQL, MongoDB, PostgreSQL, and MySQL/MariaDB. - Team Leadership & Technology Adoption: Led and managed DevOps/DataOps teams, fostering a culture of continuous improvement, actively researching, evaluating, and implementing new technologies, and facilitating knowledge transfer within the team
June 2019 - March 2021	**FINVIET Joint Stock Company - ECO Ewallet** DevOps Lead - Design and implement build, deployment servers and ECO Ewallet system from DC to DR on Private Cloud and Public Cloud AWS/GCP. - Maintain, update, hotfix, patching about errors, bugs, new features and other security patches for system company every month, every quarter

and every year. And for others applications when receiving feedback customers, QC/QA and scanning systems.
- Build and establish monitor, alert system via email, telegram base on PRTG, Cacti, Nagios, Grafana, Prometheus Software. In order to monitor and analyze other health of all systems, predict other error systems in the future.
- Build, set up and maintain other database systems (MongoDB, Mysql/MariaDB, Postgresql, Oracle). Such as deploying MongoDB cluster, MariaDB Galera Cluster, Oracle Data Guard/RAC for Test, UAT, Production Environment to other projects, monitor performance of database systems and fix errors related to it,..etc
- Developed and maintained automated CI/CD pipelines for code deployment using GitLab, Jenkins, Teamcity, Github Actions, ArgoCD.
- Working with multiple cloud AWS, GCP,Azure. With AWS, I have worked IAM,EC2, ELB, ACR,ECS, EKS, VPC,S3, CloudFont, SES, Route53,WAF,RDS, API GateWay, CodeCommit,Code Buid, CodeDeploy, Codepipeline and ElasticCache. With GCP, Compute Engine, Kubernetes Engine,CloudSQL, Big Query, Cloud Storage all of this services as I worked. On Azure, Virtual machines,Storage Accounts, ACR, Azure Database for PostgreSQL,Azure DevOps, Azure Cosmos DB all of them as I used to worked with them.
- Provsioned Servers and Deployed features using Terraspace/Ansible.
- Manage and Operating Firewall Systems of Fortigate 500E, Sophos XG, Pfsense.
- Build applications with docker,k8s for our team projects working with cache and queue, graph database software such as ActiveMQ, Rabbit, Couchbase,Redis, Neo4j, GraphQL.
- Deploying with other applications code by Jave, NodeJs, ReactJS, NestJS, Laravel, Angular,Python, Golang.
- Build and set up Virtualization and VDI Systems with VMware base on vSphere, vCenter, VMware Horizon.

March 2016 - June 2019	**Digital Storage Company Limited - 123HOST** System Admin - Manage and Deploy Services for customer about Hosting (Windows + Linux) on Cpanel, Plesk such as deploy website to hosting, configure connection database, fix and improve the website speed,...etc - Manage and Deploy Services for customer about Domain (Viet Nam and International) such as register domain, point and check DNS,..etc - Manage and Deploy Services for customer about Cloud Server, VPS such as install OS, Reload OS, fix bug error, set up and active cPanel, DirectAdmin...etc - Set up Dedicated Server such as Dell R610, Dell R730, HP Proliant Gen6 for the customer at Viettel Datacenter, VNPT Datacenter. - Manage and Configure Control Panel such as DirectAdmin, VestaCP, cPanel,..etc. - Research and Learning to improve quality of services. - Research and Deployment Monitor System such as Cacti, Zabbix, Nagios,grafana,..etc. - Research and Deploy database for the customer such as Mongo DB, PostgreSQL,..etc

PROJECTS

Azure Landing Zone Cloud Migration
(2022 - Now)

Customer	US, Israel and Canada (StorAI-Mercatus)
Description	- Centralize Systsem of Relationshop, Self-Point, Mercatus on Cloud (Azure, AWS,GCP) - Optimize Cost and System Architect
Team size	12
My position	DevSecOps Lead
My responsibilities	- System Architecture Design: Designed and architected robust Cloud Systems and Data Warehouse Systems, ensuring scalability, reliability, and performance. - Technology Selection & Implementation: Spearheaded the selection of appropriate technologies and facilitated knowledge transfer within DevOps/DataOps teams to build and implement cutting-edge solutions. - Requirements Analysis & Translation: Analyzed complex client requirements and effectively translated them into actionable tasks and technical specifications for the Data Team. - Code Review & Troubleshooting: Provided expert troubleshooting and conducted thorough reviews of Infrastructure as Code (IaC) and ETL pipelines for the team, ensuring code quality and operational efficiency. - Compliance & Governance: Ensured adherence to and implemented compliance frameworks, including ISO standards and SOC 2, for secure and regulated operations
Technologies used	- Public Cloud (Azure,AWS) - Net Core, NodeJS(NextJs FrameWork), Python, PHP. - GitHub Actions, Jenkins, ArgoCD, Azure DevOps, Sonarqube. - Kubernetes(AKS,EKS), Nginx Ingress, Service Mesh - Linkerd - Grafana, ELK, Prometheus, Loki, NewRelic/Stackify - Ansible, Terraform - RabbitMQ, CouchBase, Redis - Microsoft SQL, MongoDB Cloud, Postgresql, MariaDB, Cosmos DB. - Azure Data Factory, Streamsets , Snowflake and Snowpie,Snowpark - Azure Analysis Service - Azure Function App, App Services - PowerBI, Sigma

Salescore Blockchain
(2023 - Now)

Customer	Korean and European
Description	- Establish a coin to transfer and exchange money in order to the customer can pay by that coin - Centralize the point management system based on Blockchain Technology
Team size	2
My position	DevOps Specialist
My responsibilities	- Design Architecture of BlockChain System - Implementing and review the IAC code for the team. - Implement and improve CI/CD Pipeline - Apply the ISO, Soc2 Compliance
Technologies used	- AWS Cloud - NodeJS(NextJs FrameWork), Solidity, Web3.js - GitHub Actions, Jenkins, ArgoCD - Kubernetes(EKS), Nginx Ingress, Service Mesh - Linkerd - Grafana, ELK, Prometheus, Loki, NewRelic/Stackify - Ansible, Terraform - RabbitMQ, CouchBase, Redis - Amazon Aurora.

Data WareHouse
(2022 - Now)

Customer	US And Israel (StorAI)

Description	- The client needs a Big Data and training their data to use for more purposes such as Offer, Deal, Chat Bot,etc - Apply the new technoloy of Data WareHouse System. Make it to smart and fast
Team size	6
My position	Senior DevOps Engineer
My responsibilities	- Design Architecture of Data Warehouse system and ETL System - Choose the technology and transform the knowlede of DevOps/DataOps to build and implement it. - Analysis these requirement from Clients and then convert to my Data Team. - Troubleshooting and review the code and ETL Pipeline for the team.
Technologies used	- HyBrid Cloud: On-Premise (Hyper-V) to Azure,AWS - Net Core, NodeJS(NextJs FrameWork), Python. - GitHub Actions, Jenkins, ArgoCD, Sonarqube. - Kubernetes(Microk8s), Nginx Ingress - Grafana, ELK, Prometheus, Icinga2 - Ansible, Terraform - RabbitMQ, CouchBase, Redis - Microsoft SQL, Postgresql, MariaDB, Cosmos DB. - Azure Data Factory, Streamsets , Snowflake and Snowpie,Snowpark - Azure Analysis Service - PowerBI, Sigma

E-Commerce
(2021 - Now)

Customer	BigY and United US (Relationshop)
Description	- Devoping Module for Super Markets in the US such as Sorting, Payments, Order, Email Marketing,etc - Transformer and Mining Data for Campaign Marketing
Team size	4
My position	DevOps Lead
My responsibilities	- Design Architect Infrastructure between Cloud and On-Premise (Client) - Implement DockerFile, Helm Chart, CI/CD Pipeline, K8s Cluster from dev to production. - Operating Tasks of teams - Improve and Optimize Performance Systems/Applications - Provision Systems(Terraform) and Configuration Managerment (Ansible). - Manage and Operating Database Cluster - Review and Consultant Technical of Projects.
Technologies used	- HyBrid Cloud: On-Premise (Hyper-V) to Azure,AWS - Net Core, NodeJS(NextJs FrameWork), Python. - GitHub Actions, Jenkins, ArgoCD, Sonarqube. - Kubernetes(Microk8s), Nginx Ingress - Azure Kubernetes Service, Service Mesh (Linkderd) - Grafana, ELK, Prometheus, Icinga2, Stackify, Loki - Ansible, Terraform - RabbitMQ, CouchBase, Redis - Microsoft SQL, Postgresql, MariaDB, Cosmos DB.

Social Media
(2020 - 2021)

Customer	FV Internal VN
Description	Commucation with client via chat and group module Upload and Media Streaming Video, Musics
Team size	3
My position	Senior DevOps Engineer
My responsibilities	- Design Dockerfile, Helm Values, CI/CD Pipline. - Deployment all of applications to K8s from Dev to Production - Implement Monitoring and Logging - Provision Resources for projects - Apply SonarQube for scanning security code - Review and implement Terraform Module and Ansible Role for My teams.

Technologies used	- Public Cloud: GCP and AWS - Python, Golang, NodeJS, Rust. - GitLab, ArgoCD - GKS, Get Ambassador - Ansible, Terraform (Terraspace) - RabbitMQ, Redis, EMQX, Kafka - MySql, Cassandra, Mongo, PostgreSQL, Neo4j. - Grafana, Loki, Prometheus, GrayLog, ELK, Icinga2

ECO Wallet

(2019 - 2022)

Customer	Finviet Corp
Description	E-Wallet between bank and end-user Payment Gateway
Team size	3
My position	Mid-Senior Devops Engineer
My responsibilities	- Design and Manage Architect Infrastructure between Cloud and On-Premise. - Implement DockerFile, Helm Chart, CI/CD Pipeline, K8s Cluster from dev to production. - Operating Tasks of teams - Improve and Optimize Performance Systems/Applications- Provision Systems(Terraform) and Configuration Managerment (Ansible). - Manage and Operating Database Cluster - Maintaine Server and Network System at VDC/Viettel Datacenter. - Review and apply Security Standard in System and Project as ISO27001, Scanning Security, IPS/IDS System.
Technologies used	- HyBrid Cloud: On-Premise (VMware VSphere) to AWS - PHP(Laravel), Python, Golang, NodeJS, Java - Gitlab, Jenkins, ArgoCD, TeamCity, Code Commit, Code Build, Code Deploy, Code Pipeline - ActiveMQ, RabbitMQ, Kafka - Oracle Database, Maria DB, Postgresql, Mongo, Neo4j. - Grafana, Prometheus, ELK - Vsphere, Vcenter, VDI

CMS/CRM

(2017 - 2018)

Customer	Technova
Description	CMS and CRM for Internal Team or Partner Team
Team size	3
My position	Solution Architect Engineer
My responsibilities	Design Architect for Project Consultant anything about technical of teams Implement CI/CD Pipeline Implement Monitoring and Logging Refactor Account Managerment Module
Technologies used	Public Cloud: Azure - C#, Net Core, PHP (Codeigniter). - GitHub Actions - Azure Database for SQL - Terraform - ELK, Grafana, GrayLog

CERTIFICATIONS & AWARDS

IELTS 6.5	CCNA
LPI1,2	AWS Certified Solutions Architect - Associate Microsoft Certified: Azure Solutions Architect Expert

Microsoft Certified: Azure Administrator Associate
Microsoft Certified: Azure Developer Associate

More AWS/Azure Certificate at
https://www.credly.com/users/nguyenhappy92/badges