



NGUYỄN VĂN TIẾN ANH

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An engineer worked for 6+ years in software development. Good hands-on experience and certified knowledge in the cloud (Azure, AWS). Planning to become a Cloud Solution expert in the next 3 years.

WORK EXPERIENCE

Van Thuong Sai Gon corp.

Mar 2020 – present

Digital Solutions Engineer

Working on a DX team to drive digital transformation for all activities of the corporation.

- Take main responsibility for designing architecture and managing an on-premises server
 - Implement and monitor several Zimbra mail servers for other departments.
 - Build a Kubernetes cluster for Dev team to deploy applications.
 - Migrate and Dockerize applications (ERP system, Tasks management, CI/CD tools, React App, ...) to be deployable on the K8s cluster.
 - Develop PowerShell scripts for auto provisioning Hyper-V VM resources.
 - Create a plan to migrate the on-premises server to Azure Cloud.
- Collaborate with the Dev team to take on development tasks
 - Work as a Backend developer (Python) to implement GraphQL API for a booking app.
 - Create Jenkins pipeline for automated build and deploy applications on the K8s cluster.

FPT Software

Jul 2017 – Mar 2020

Software Engineer

Mostly working on a project Big Data for aviation named Airbus Skywise.

Data Product Team

- Implement and maintain Jenkins pipelines for auto build/test/deploy app to AWS.
- Build and monitor API for user application and 3rd party by using API Gateway.
- Develop serverless applications by using AWS Lambda and Step Functions.
- Write Cloud Formation templates for automation deployment AWS services.

Data Ingestion Team

- Collaborate with some partners to develop a Big Data platform in aviation, propose and build workflows for airlines.
 - Connect and migrate airlines system to Skywise cloud.
 - Ingest allowed databases of airlines (operation, sensors data, ...) to the data platform.
 - Write PySpark code to transform the data following defined schemas by platform.
 - Build dashboards to visualize airline data, aviation workflows.

Hi-Tech Mechatronics Lab

Jan 2015 – Jul 2017

Software Engineer

- Study on design and manufacturing Humanoid robot for promotion service.
 - Simulate Humanoid robot, design walking gait, develop ROS software, program embedded software, write scientific papers
 - Study on design and manufacturing Operating table
 - Design mechanical system, electrical hardware, program embedded controller, write scientific papers.
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EDUCATION

- Ho Chi Minh University of Technology Aug 2015 – Jun 2017
Master of Science in Mechatronics Engineering
 - Ho Chi Minh University of Technology Aug 2010 – Jan 2015
Bachelor of Engineering (Mechatronics)
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TECHNICAL SKILLS

Programming languages	Python, PHP, JavaScript, C/C++, html
Scripting languages	PowerShell, Bash.
Databases	MySQL, PostgreSQL
CI/CD tools	Jenkins, GitHub Actions, Git
Cloud services	Azure, AWS
Infrastructure as code	Azure ARM template, Azure Bicep, AWS CloudFormation
Preferred OS	Window and Linux
Virtualization tools	Docker, Hyper-V
Orchestration tools	Kubernetes, Docker Swarm
Email servers	Zimbra, Carbonio, iRedMail
Methodologies	Scrum, SAFe

CERTIFICATIONS & COURSES

- Udemy Course: AWS Essentials 2018
- Udemy Course: Spark and Python for Big Data with PySpark 2018
- FPT Software Course: Artificial Intelligence 2019
- Skywise Certified: Software Engineer - Advanced 2019
- Microsoft Certified: Azure Fundamentals 2022
- Microsoft Certified: Azure Developer Associate 2022

PUBLICATIONS

- Study on Walking Control of Humanoid Robot UXA-90 Light VCM 2016
- Development of Series Elastics Actuators for Physical Rehabilitation Devices AETA 2016
- Design of Biped Walking Gait on Biped Robot URAI 2017