

Bach Doan Vuong

Cloud Engineer

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ABOUT ME

Passionate about cloud computing with a strong commitment to continuous learning and growth. Highly motivated to contribute meaningfully to innovative cloud projects and thrive in dynamic environments.

WORK EXPERIENCE

TymeX

Ho Chi Minh, Vietnam

CloudOps Intern, AWS

July 2024 – Now

- Engineered a robust solution utilizing the Serverless Framework to automate management of database credentials; leveraged Lambda (Python, Boto3) while enhancing security through effective use of AWS Secrets Manager alongside RDS Aurora, SQS, SNS, EventBridge, and CloudTrail.
- Designed and implemented Datadog monitoring dashboards to track AWS services (EC2, RDS, MSK, Zookeeper) and established alert systems to ensure high reliability.
- Enhanced infrastructure deployment efficiency by automating AWS resources with CloudFormation and CodePipeline, reducing manual setup time while improving overall system reliability.
- Developed a distributed messaging system for a banking application using Kafka and Zookeeper, ensuring message flow stability and monitoring health metrics through Datadog.
- Supported AWS service management (Secrets Manager, CloudTrail, WAF, RDS, API Gateway, Lambda) to maintain stable operations and promptly address team requests.

eCloudvalley

Ho Chi Minh, Vietnam

Cloud Engineer Intern, AWS

December 2023 – March 2024

- Researched and implemented a CI/CD pipeline for a to-do application using AWS CodePipeline, CodeBuild, and CodeDeploy, incorporating industry best practices for deployment automation.
- Developed a data lake solution utilizing AWS Glue, Redshift, RDS, and S3, enabling efficient data analytics and ETL processes to support business intelligence.
- Enhanced serverless capabilities by integrating AWS Lambda with Boto3 to analyze active AWS resources, optimizing resource management and automation.
- Participated in front-end development using ReactJS and Node.js (Express.js) for small-scale applications to showcase Lambda functions' functionalities.

SKILLS

- AWS: CloudFormation, CodePipeline, CodeBuild, CodeDeploy, S3, Lambda, EC2, DynamoDB, RDS, Connect, VPC, KMS, SQS, ELB, SNS, Amplify, Glue, Redshift, MSK, API Gateway, CloudTrail, SNS, EventBridge, Secrets Manager.
- Web Development: ReactJS, Node.js (Express.js), MongoDB.
- Programming Languages: JavaScript, Java, Python.
- Others: Terraform, Docker, Linux, Datadog, Kafka/Zookeeper, Google Cloud.

EDUCATION

FPT University

Ho Chi Minh, Vietnam

Bachelor's Degree in Software Engineering

Expected Graduation: May 2025

CERTIFICATIONS

AWS Certified Security Specialty - by Amazon Web Services

October 2024

AWS Certified Solutions Architect Associate - by Amazon Web Services

May 2024

AWS Certified Developer Associate - by Amazon Web Services

September 2023

Google Cloud Associate Cloud Engineer - by Google Cloud

July 2024

OTHER EXPERIENCES

Speaker, First Cloud Journey Cloud Day

October 2024

- Delivered a session on building Generative AI solutions using AWS Bedrock and Amazon Connect for contact center innovation.
- Documentation: <https://github.com/vuongbachdoan/fcj-cd-demo>
- Video: <https://www.youtube.com/watch?v=DxQP1eLR8h4&t=3306s>