LE HUY HOANG

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SUMMARY

I am interested in topics such as DevOps, AI, and ML. Currently, I am exploring AWS and looking for ways to learn and work. Throughout my academic journey, I have acquired a foundation in programming and data science, and I aim to apply this knowledge in practical scenarios and contribute to projects.

TECHNICAL COMPETENCIES

Programming	Python, JavaScript, Go (Basic)
Database	MongoDB
Cloud	AWS (Basic), Terraform (Basic)
Tools	Git, Docker (Basic)
Operating Systems	Linux (Basic)

EXPERIENCE

Model Context Protocol - Personal Project — *April 2025*

– Explored and implemented MCP (Model Context Protocol), developing a small project to demonstrate practical applications
– Built an MCP server that connects Claude desktop app (as the host application) to local data sources
– Configured the server to process local files and provide relevant information to users through the host interface
– Technologies used: FastMCP.
– Blog post: Understanding MCP (Blog)
– GitHub: MCP Project

Serverless Web Application - Personal Project — *January 2025*

– Built a serverless architecture, using React for the front-end and AWS serverless services for the back-end. Configured AWS API Gateway to manage RESTful endpoints and deployed AWS Lambda functions to interact with AWS DynamoDB for data storage.
– Technologies used: React, AWS API Gateway, AWS Lambda, AWS DynamoDB.
– GitHub: Serverless Web Project.

E-Commerce Website Project with CI/CD on AWS - Personal Project — *October - December 2024*

– Built an e-commerce website for technology products with separate customer and admin interfaces. Developed the front-end using ReactJS with Vite and the back-end using Node.js with MongoDB.
– Configured Docker containerization and set up a CI/CD pipeline on AWS with CodePipeline and CodeDeploy. Deployed the application on EC2 instances behind an Application Load Balancer.
– Technologies used: React, Node.js, MongoDB, Docker, AWS (EC2, ALB, CodePipeline, CodeDeploy, Secrets Manager). GitHub: E-Commerce Website Project.

VPBank Hackathon 2024 — *July 2024*

– Worked on the architectural design and implementation of a data-driven project on AWS. I retrieved data from AWS Redshift and used AWS SageMaker to train machine learning models. I developed customer segmentation and customer lifetime value (CLV) prediction models, and my teammates visualized the results using AWS QuickSight.
– Technologies used: AWS SageMaker, Machine Learning.
– GitHub: VPBank Hackathon2024.

EDUCATION

Thang Long University — *2021 - Present*

Bachelor of Science in Computer Science

– Major: Computer Science.
– GPA: 3.3/4.0.

Certifications

– VPBank Hackathon 2024: Participate as a member of Team 106 and successfully progress to the prototype round.
Certificate: VPBank Hackathon 2024 Certificate.
– AWS Technical Essentials: Completed the certification, gaining a solid foundation in cloud services and solutions that improved my understanding of cloud computing and its applications.
Certificate: AWS Technical Essentials Certificate.