

NGUYEN DON THE KIET (STRIX)

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SUMMARY

Enthusiastic Computer Science undergraduate skilled in designing scalable, secure, and resilient cloud systems, with a strong focus on automation and CI/CD pipelines. I consistently seek opportunities to expand my technical skills and stay up-to-date with emerging technologies, aiming to integrate them into innovative systems.

— "We becomes the person of our dream not when we plan to be, but by consistently acting like that person"

EXPERIENCE

Viettel Group

March 2024 - July 2024

Viettel Digital Solution - Cloud Engineer Intern

Hanoi, Vietnam

- Developed a full-stack student management web app using HTML, JavaScript, FastAPI, and MongoDB, with infrastructure automated via Ansible playbooks.
- Built a CI/CD pipeline using GitHub Actions to automate tests, builds, and deploy Docker images to a private repository.
- Deployed and secured the app on Kubernetes with ArgoCD, HelmChart, and monitored with Prometheus and ElasticSearch, adding authentication and rate-limiting.

Teemazing

January 2024 - June 2024

TrendingCustom - Product Recommendation Engineer

Hanoi, Vietnam

- Built a highly available (99.9% SLA) recommendation system on cloud infrastructure using FastAPI and Google's semantic embeddings, providing real-time similar product recommendations for each customer interaction.
- Optimized cloud scalability and storage to support over 5 million monthly interactions by implementing load balancing and horizontal scaling, resulting in a 29% increase in CTR on product page and a 13% increase on cart page within the first month of rollout.
- Developed a cloud-based CI/CD pipeline for seamless deployment of new product data, reducing manual work by 5 hours daily and enabling rapid integration of new recommendations.

EDUCATION

VinUniversity - Bachelor of Science in Computer Science

Hanoi, Vietnam

GPA: 3.71

2022 - 2026

- Honors: 80% scholarship; 2022 FALL, 2023 FALL&SPRING Dean's list.
- Relevant courses: Software Construction, Computer System, OOP, Programming, Algorithm Design, Discrete Mathematics, Advance Probability & Statistics, Artificial Intelligence, Calculus 2, Physics, Critical Thinking.

Kiettisack International School - Certified Cambridge Highschool

Vientiane, Laos

GPA: 3.96

2020 - 2022

- Awarded 100% scholarship with achievement in Cambridge IGCSE (A*A*A*A*A*A*) and A-Level (A*AA)
- Won 3 gold medals in international mathematic competitions (SASMO, WMI, ISMO)

TECHNICAL SKILLS

Cloud Platforms: Google Cloud, AWS, Azure

Infrastructure & DevOps: Kubernetes, Docker, Terraform, Ansible, CI/CD, Helm

Programming Languages: Python, Java, C#, SQL, Bash

Databases: MySQL, NoSQL, MongoDB

PROJECTS

VsExam | *VSCode, FastAPI, Docker, Rest*

Sep 2024 - Present

- Developing an application designed to replace paper-based exams for IT and Computer Science students; featuring a secure, real-time monitored extension for taking exams on Visual Studio Code on personal computer.
- Enables teachers to create exams with preset configurations and timing, while monitor and record any mouse clicks outside the application using even-driven architecture with WebSocket. Additionally, allow students to submit codes to the server, receive scores, and view pass/fail test cases.
- Conceptualized, managed, and deployed the application at <https://vsexam.cloud.strixthekiet.me> in self-host server.

Self-host private cloud @<https://cloud.strixthekiet.me> | *Proxmox, Virtualization, Networking* July 2024 - Present

- Self-hosted multiple personal projects, including Obsidian personal note-taking (note.strixthekiet.me), note editing, Jellyfin movie server.
- 24/7 VPS rentals: Provide virtual machines to friends for remote coding/work and VPN server.

SynapticVault | *Google Cloud, Python, FastAPI, Docker, NoSQL*

January 2024 – Present

- Available at synapticvault.com with more than 100,000 pageviews in the second month of release.
- Designed and deployed solution to run Augmented Retrieval on content of the notes to answer users' questions.
- Designed a free, scalable NoSQL database to store chat history and notes' feature vector on Google Cloud.
- Implemented CICD pipeline for automatically pushing new content to users with new note commit.

Vingenie | *Google Cloud, Python, Gemini, FastAPI, Git, NoSQL, DDNS*

September 2023 - January 2024

- Available at vingenie.pages.dev, MVP of an Vinuniversity's AI-chatbot.
- Designed and deployed solution to use LLM chatbot on Google Cloud with text extraction from VinUni website.
- Designed a free, scalable NoSQL database to store chat history on Google Cloud.

CERTIFICATIONS

Google Cloud Professional Cloud Architect

Issued Feb 2024 - Feb 2026 - Credential

IELTS: 7.5

Issued Mar 2022 - Mar 2024