

# Van Viet Hieu Anh

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## Summary

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I have a strong foundation and years of experience with Asynchronous and Parallel Processing in Python, including concepts like Mutex, Arc, and Semaphore. Over the years building such applications, I continuously synthesize practical insights and never hesitate to explore alternative approaches to solving complex problems.

## Experiences

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**Consultant**, Netcompany - NLP (Nordea Life & Pension) - Ho Chi Minh City Jan 2023 – Feb 2025

- Implemented a Python application to automatically synchronize, analyze, and generate reports using asyncio with semaphores for controlling concurrent tasks.
- Built a custom Azure DevOps Python task to synchronize and validate Azure APIM API configurations across repositories.
- Migrated repositories from AWS to Azure, integrating and optimizing with JavaScript/TypeScript.

**System Operator**, Personal Homelab June 2024 – present

- Designed a pipeline to collect, process, and organize hundreds of gigabytes of text files using Python, Rust, and GNU Parallel.
- Built a hybrid cluster combining an old laptop and cloud VMs, utilizing WireGuard VPN and deploying services with K3s and Helm.

**Consultant**, Netcompany - Flexdanmark - Ho Chi Minh City June 2022 – Jan 2023

- Developed a Python application to scan documents and assist in generating accurate authentication system configurations.
- Configured Keycloak for SSO and OIDC integration with multiple identity providers and hundreds of user roles.
- Performed system performance testing and tuning.

## Certifications

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- **AZ900 - Azure Fundamentals** - Microsoft
- **Computational Thinking for Problem Solving** - University of Pennsylvania

## Education

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**BS** University of Information Technology - VNUHCM, Computer Science - Ho Chi Minh City Sept 2019 – Nov 2023

- **GPA:** 8.00/10.00

## Skills

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**Programming:** Python, JavaScript, TypeScript, C#

**Infrastructure as Code (IaC):** Terraform

**Cloud & DevOps:** Azure, Azure DevOps, Jenkins, PowerShell, Bash, Groovy

**Collaboration:** Experienced in international and cross-time-zone environments.

## Side Projects

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[Lissajous Curve](#) | [Richard Feynman's Ellipse](#) | [Scheduling Algorithms](#) | [Page Replacement Algorithms](#) |

*This CV was generated using a GitHub Workflow based on a YAML configuration.*