

Van Viet Hieu Anh

📍 Ho Chi Minh City, Vietnam

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Summary

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

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 & Developer, 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; utilized Pydantic, FastAPI, and SQLAlchemy for data validation, API handling, and structured storage.
- 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

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

Education

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

- **GPA:** 8.00/10.00

Skills

Programming: Python, JavaScript, TypeScript, C#

Cloud & DevOps: Azure, Azure DevOps, Terraform, PowerShell, Bash

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

Side Projects

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