Van Viet Hieu Anh

⦿ Ho Chi Minh City, Vietnam   ✉ vanviethieuanh@gmail.com   📞 0946 378 852   in vanviethieuanh

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 SQLModel 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 |