Van Nguyen

Backend developer

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Currently

Backend developer building and maintaining Python-based APIs in production. Interest in privacy-first systems, self-hosting, and pragmatic infrastructure. Currently working at Check in Amsterdam.

Stack

Languages: Python, SQL (SQLAlchemy)
Frameworks: FastAPI, Pyramid
Databases: PostgreSQL
Tools: Docker, Git, Linux, neovim

Education

Liberty High school, United States of America · 2016-2017

Exchange programme in US
Junior year

University of Economics Prague, Czech Republic · 2019-2023

Faculty of Informatics and Statistics - Applied Informatics
Thesis - implemented and evaluated network-level security using Pi-hole and PiVPN

Leiden University, Netherlands · 2023-2025

Faculty of Science - Computer Science, Data Science
Thesis - built a privacy-first conversational AI for senior care, running fully locally on Raspberry Pi

Interests

Self-hosting applications vanguyen.info. Bouldering, Plant cultivation (lemon trees, chilli peppers), Biking, Hiking (peep Strava)

Employment

Software tester, Bluepool, Prague, Czech Republic · 2021-2022

Optimized test cases to maximize success of manual software testing.
Defined and identified test cases for new application development.

Volunteer, BRENDERUP HØJSKOLE, Denmark · 2022-2022

Developed construction skills by participating in several home builds.
Planted and maintained gardens to provide fresh produce for individuals in need.

Apple farmer, Hardangerbonden, Norway · 2022,2023

General help at Apple cider farm
Apple thinning, cherry picking

Backend Developer, Check, Amsterdam, Netherlands · 2024-Present

Developed and maintained Python APIs using FastAPI and Pyramid for a production mobility platform

Implemented core business logic and automated internal workflows, improving operational efficiency

Designed and maintained database models using SQLAlchemy and PostgreSQL