Connor Phung

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Backend Data / Software Engineer

WORK EXPERIENCE

Mekong Security Tech / NGS - *Backend Software Engineer* Hanoi, Vietnam
Realtime Social Network Monitor for Illegal Activities *March 2025 - Dec 2025*
- Designed, documented, and developed core backend services for a system intended for nationwide deployment
- Optimized services to ensure independence, reliability, resource efficiency, and data integrity across system states
- Gained extensive hands-on experience with FastAPI, Airflow, Kafka, MinIO, PostgreSQL, and Redis

Techlead *- Backend Software Engineer Intern* Hanoi, Vietnam
Exalate: Odoo custom connector *Jan 2025 - March 2025*
- Planned, implemented, and set up test cases for CI/CD pipeline for version 1.0 release of **Exalate's Odoo connector**, enabling seamless platform-to-platform synchronization
- Acted as one of the main contributors to the development cycle, collaborating closely with the team to resolve ambiguities arising from incomplete or missing third-party documentation, and ensured timely release to the marketplace in May 2025

Skill4skill - *Backend Developer* Remote - Toronto, Canada
Online skill trade platform *Oct 2024 - Dec 2024*
- Contributed to the architecture design and implementation of the project's backend with Next.js

SKILLS SUMMARY / CERTIFICATIONS

- Certificate: AWS Cloud Practitioner
- Programming Languages: Python, Java, HTML, CSS, Groovy
- Stack and skills: FastAPI, Spring Boot, AWS S3, AWS Redshift, PostgreSQL, Docker, Terraform, Airflow, Design Patterns, System Design

PERSONAL PROJECTS

Project Caerus - **End-to-End Full-Stack Interactive LMIA Distribution Map** *Oct 2024*
- Collect data from canada.ca Rest API, handled, transformed, CSV, JSON, XLSX formatted data, and loaded to MySQL on Linux server, followed Agile methodologies, closely monitored by a mentor
- Updated geographical coordinate data with Google Maps API to create an interactive map of Canada featured the distribution trends of LMIA results using Flask
- Implemented filter features to improve data analysis and simplified Bash Commands using Make

Project Icarus - **Automated ETL Data Pipeline for Air Crash Investigation on AWS** *Sep 2024*
- Fetched and transformed web-scraped data using BeautifulSoup, stored in AWS S3, visualize past air crash incidents
- Fully automated infrastructures built with Terraform (IaC), orchestrated with Airflow, containerized with Docker, and secured using AWS IAM policies
- Simplified Bash Commands using Make

EDUCATION

Toronto Metropolitan University - *Bachelor of Computer Science (Honors)*
- Relevant Courses: Software Engineering, Data Structures, Database Systems, Algorithms, AI, ML
- Graduated with Distinction
- Dean's list | Renewable entrance scholarships

University of Texas at Austin - *Master of Computer Science (Ongoing)*
- Relevant Courses: Parallel Systems