Quy Vu Luong

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Montreal, QC, Canada

SUMMARY

Computer Science student with 1+ year of experience in backend development with financial systems. Great at methodical debugging, clear documentation, and attention to data integrity. Currently seeking for an internship to advance server-side development, cloud, and security skills.

EDUCATION

High School Diploma – Lawrence S. Ting School　　　　2015 – 2021

Ho Chi Minh City, Viet Nam

Diploma of College Studies DEC – Information Technology　　　　Jan 2024 – Present

LaSalle College, Montreal, QC

EXPERIENCE

Developer　　　　Jun 2024 – Present

Machine Builder Inc.　　　　Montreal

LachanceCapital.com – Financial Platform for Limited Partnership Fund

- Built secure features (deposit, withdrawal, statements, mailing) using ASP.NET for over 1000+ transactions.
- Developed algorithms for P&L, tax, fees, rate of return, improving reporting accuracy by 80%
- Worked with an accountant to verify financial formulas and ensure 100% compliance with fund regulations.
- Troubleshot production issues across backend, database, and cloud layers to maintain system reliability
- Implemented encryption on both database and website, enhancing system security and earning stakeholder trust.
- Managed SQL Server: health checks, automated backups, and stored procedures (rebalancing, tax, user creation), reducing manual work by 50%.
- Set up Azure VM (99.9% uptime), IIS hosting, and domain integration with Azure & GoDaddy.
- Solved critical backend issues under tight deadlines, showcasing strong problem-solving and ability to work under pressure.

PROJECTS

AI-Based Note-Taking System　　　　Nov 2024

Python | Flask | NLP (Natural Language Process)

- Developed the backend for a note-taking system that categorizes, summarizes, and retrieves notes based on meaning
- Used Flask, SBERT, and cosine similarity to build APIs for keyword extraction and semantic search.
- Improved note relevance and made it easier to find information using meaning-based matching.

AI Facial Authentication for Login　　　　Feb 2025

JavaScript | PHP | PhpMyAdmin | HTML | CSS | Git

- Built a web-based facial recognition login system for secure, real-time user authentication

- Integrated JavaScript-based face detection APIs, salted password hashing, and PhpMyAdmin database
- Enhanced login security while offering a modern, user-friendly alternative to traditional login methods.

Forex Realtime Alert System   May 2025

C# | Python | IBKR API | Twilio | SQL

- Developed an automated forex and stock alert tool that monitors large price shifts in real time.
- Used Python with IBKR API for market data, Twilio for SMS alerts, and SQL for historical logging.
- Enabled faster trading decisions by delivering timely alerts and storing actionable market insights

SKILLS:

Languages: C#, Java, Python, JavaScript, PHP, SQL (T-SQL)

Frameworks/Libraries: ASP.NET, Jakarta EE (Servlets), Flask, Tailwind CSS

Data/AI: pandas, NumPy, scikit-learn, SBERT, semantic search (cosine similarity), basic NLP

Databases: SQL Server (SSMS, T-SQL, indexing), MySQL/PhpMyAdmin, SQLite (incl. better-sqlite3), H2

Infra & Hosting: Azure VM (IaaS), IIS, Tomcat

Tooling: Git/GitHub, Visual Studio 2022, VS Code, Terminal

LANGUAGES:

English: Fluent.

French: Beginner (in progress).

Vietnamese: Native.