Thanh Le

✆ (289) 829-1206 | ✉ thanh@thanhle.ca | 🔗 linkedin.com/in/lvthanh03 | 🔗 github.com/lvthanh03

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript, SQL, HTML5/CSS, Pascal
Technologies: Ansible, Terraform, Jenkins, VMWare, Azure, Docker, Packer, Vault, React, NodeJS, OpenCV
Developer Tools: Git, VSCode, Postman, Netlify, Heroku, Figma

EXPERIENCE

Incoming Software Engineering Intern   May 2023 - August 2023
Coherent Logix   *Austin, TX*

- DevOps Team - Managing CI for a private company project going open-source

DevOps Software Developer   August 2022 – December 2022
Imagine Communications   *Waterloo, ON*

- Configured and provisioned Infrastructure as Code (IaC) using **Terraform** and **Ansible** on **Azure** and **vSphere** environments in collaboration with an **Agile** team of 12 engineers, focusing on **five-nines** (99.999%) availability
- Implemented a multi-container, dynamic inventory, high scalability deployment strategy using **Docker** and **Ansible** on a swarm cluster, utilizing **Prometheus** and **Grafana** for real-time monitoring and alerting of 30+ containers per node, cutting down deployment time by 75% and downtimes by 30%
- Developed and maintained **Jenkins** CI/CD pipelines for automated deployment of applications and services, with the integration of **Vault** for secure access to secrets such as API keys, usernames, passwords, and certificates
- Wrote **Python** and **Powershell** scripts for testing various components and infrastructure, including **PostgreSQL** database server, failover scenarios and the interaction between **Keycloak** and **OpenID providers**
- Built standardized OS images for production environments using **Packer**, allowing for more reliable deployments

Full-stack Developer (Self-employed)   May 2021 – August 2022
TetherPortal 🔗 ⊕   *Waterloo, ON*

- Provided users with accessibility to digital assets, executed large orders with lower trading fees by up to 50% compared to other trading platforms, eliminating many restrictions for cryptocurrencies buyers in Ontario
- Built a service landing page using **React**, **CSS**, **Netlify** and **Figma**, increasing frequency of orders by 78% and average order value by up to 180%
- Developed a **Python** script that collects buy/sell data, predicts trends and execute trades through **Binance API** and **Coinbase API**, incorporating Bollinger bands, mean reversion, arbitrage and risk management strategies

PROJECTS

AnonimityChat 🔗 ⊕

- Designed a full-stack chatting app for complete anonymous conversations
- Built with **NodeJS** and **HTML5/CSS**, running on a simple server deployed with **Heroku**
- Optimized message retrieval time from the server to less than 3ms by broadcasting data using **Socket.IO**

Fire Out 🆑 ⊕

- Engineered an Autonomous Fire Extinguisher using Computer Vision
- Built a working prototype based on **Python**, **OpenCV** and **YOLOv2**
- Implemented machine learning to improve fire detection algorithm with **TensorFlow**

EDUCATION

University of Waterloo   September 2021 - Expected May 2025
Bachelor of Computer Science

- **Cumulative GPA**: 90%
- **Scholarships**: International Student Entrance Scholarship ($10,000), President's Scholarship of Distinction
- **Relevant coursework**: Object Oriented Software Development, Data Structures, Algorithms, Functional Programming (Advanced)