Thanh Truc Nguyen

301-789-4775 | Email | Linkedin | Github | Portfolio
Open to relocation | Open to full-time opportunities

Education

Master of Computer Science - Cybersecurity 01/2026 - 01/2028 (Expected)
Arizona State University *Tempe, AZ*

Application Development Training 03/2026 - 03/2027 (Expected)
Year Up United *National Capital Region (Washington, DC)*

Bachelor of Engineering in Computer Science 10/2020 - 11/2024
Ho Chi Minh City University of Technology - Vietnam National University *Ho Chi Minh City, Vietnam*

Technical Skills

Languages & Frameworks: Python, PHP, JavaScript, TypeScript, C/C++, .NET, Go, Java, Node.js, React.js, Next.js, HTML, CSS.
Databases: SQL, NoSQL, MySQL, PostgreSQL, MongoDB, SQL Server.
Cloud & DevOps: AWS (EC2, SQS, S3, Load Balancing, Auto Scaling), Docker, Jenkins, Azure.
Tools & Platforms: Git, GitHub, Bitbucket, Elasticsearch, Redis, RabbitMQ, Unit Testing, Integration Testing.
Networking & Operating Systems: Linux, Windows, VPC, Subnets, Security Groups, Shell scripting, SSH.

Professional Experience

Application Developer Intern 08/2026 - Present
Constellation Energy | *.NET, SQL Server, React.js, Azure* *Baltimore, MD*

- Develop and enhance enterprise applications using **.NET** and **Microsoft SQL Server** to support business workflows.
- Implement **SignalR real-time** updates, enabling users to receive immediate changes when application data is modified.
- Build an **AI email pipeline** that auto-categorizes messages, sends daily reminders, and creates tasks, reducing missed emails by **60%**.

Software Developer 04/2026 - Present
ASU Decision Theater Network | *Python, PostgreSQL, React.js* *Remote*

- Develop a full-stack **time-series** visualization system using **React, Python, and PostgreSQL**, delivering real-time analytics.
- Build an **AI-powered query layer** that enables users to interact with the census dashboard using natural language.
- Design a dynamic **FastAPI/PostgreSQL** filtering system supporting **70+** census variables across **13** domains.

Backend Developer Intern 01/2025 - 07/2025
Reingold, Inc | *Drupal, WordPress, MySQL* *Alexandria, VA*

- Integrated Twitter and Instagram APIs to embed live social feeds, **boosting user engagement** on social platforms by **20%**.
- Integrated with the **FedEx API** to automate end-to-end shipping, **cutting** processing **time** by **75%** for **500 daily shipments**.
- Built an automated email system to alert inventory managers on stock changes, replacing manual checks and reducing stockouts by **80%**.

Software Engineer 11/2023 - 11/2024
Zalora Group | *PHP, MySQL, RabbitMQ, SQS, Next.js, S3* *Ho Chi Minh City, Vietnam*

- Developed a just-in-time booking system to trigger orders only on customer demand, **cutting** inventory holding **costs** by **70%**.
- Integrated an AI model to optimize multi-item packaging combinations, **reducing** packaging **materials** and shipping **costs** by **45%**.
- Upgraded the architecture to support parallel workers, **boosting throughput** by **25%** and improving efficiency.

Software Engineer Intern 04/2023 - 10/2023
Zalora Group | *Go, DocumentDB, SQS, S3* *Ho Chi Minh City, Vietnam*

- Implemented workflows to sync orders and stock from external systems to the internal system for two new brand partners, **increasing order capacity** by **40%** and processing over **3K orders per day**.
- Designed workflows for a new cross-docking model, processing over **1.6K daily orders** and boosting profitability.
- Developed an adapter layer for service communication in a microservices architecture, **improving system scalability**.

Projects

Jobravo | *Django, Celery, PostgreSQL, Selenium, Groq API, Next.js*

- Developed an automated **LLM-based pipeline** that classified Gmail messages via Google API and identified job application emails.
- Scraped available recruiter and HR contact details and sent context-aware outreach emails to follow up on applications.

Dolicious | *Spring Boot, MySQL, Next.js*

- Built a full-stack e-commerce platform with dynamic product creation, customizable attributes, and flexible pricing.
- Designed a responsive storefront supporting real-time menu updates, search, and filtering for smoother product discovery.

Certifications

AWS Certified Cloud Practitioner (CCP) 2026