

# Vo Tuan Thanh

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## Education

**VNUHCM - University of Science**  
*BS in Software Engineering*

*Sept 2022 – Sept 2026*

- **GPA: 3.72/4.0**
- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computer Networking, Web Application Development, Operating Systems, Database, Big Data, DevOps,...

## Experience

**Backend Developer**  
**AIT LABS**

*Nov 2024 – Jul 2025*  
*Ho Chi Minh City*

- Developed scalable REST APIs for blockchain-based systems following clean code practices in an Agile environment.
- Learned and applied cloud deployment with Kubernetes and Google Cloud Platform to support application management.
- Improved backend code through maintenance, bug fixes, unit testing, and feature development, following team standards.
- Integrated Smart Contracts to enhance blockchain functionality and system security.
- **Technologies:** *Python, FastAPI, TypeScript, Express.js, PostgreSQL, Celery, RabbitMQ, GCP, Docker, Git, Node.js.*

## Projects

**Fystack MPC Wallet** [🔗](#)

*Backend Developer – Team of 6*

[🌐 Fystack](#) [🔗](#)

*May 2025 – Now*

- Developed a secure, multi-chain MPC (Multi-Party Computation) wallet infrastructure supporting cross-network operations.
- Contributed to the architecture and implementation of blockchain indexers for various L1/L2 networks.
- Developed and maintained backend services to support high-throughput, low-latency operations in production environments.
- Collaborated with senior engineers to optimize system reliability, scalability, and fault tolerance across distributed wallet and indexing services.
- **Technologies:** *Golang, Gin, PostgreSQL, Redis, NATS, Docker, Consul, MPC, Web3*

**Zocular Ecommerce** [🔗](#)

*Backend Developer - Team of 3*

*Freelance*

*Feb 2025 - Apr 2025*

- Developed REST APIs for a B2B and B2C e-commerce platform, ensuring scalable architecture.
- Implemented core features (product catalog, cart, checkout) and B2B workflows (multi-tier approvals, dynamic discounts).
- Integrated Stripe for payments and Google Maps for location services, improving checkout performance.
- Automated testing and deployment with GitHub Actions to streamline releases and enhance code reliability.
- **Technologies:** *Express.js, TypeScript, Node.js, MongoDB, Redis, Docker, Nginx, GitHub Actions.*

## Technologies & Skills

- **Programming Languages:** JavaScript, TypeScript, Golang, Python, C#, C++, SQL
- **Frameworks & Libraries:** Express.js, NestJS, Gin, FastAPI
- **Databases & Caching:** PostgreSQL, MySQL, Microsoft SQL Server, MongoDB, Redis
- **DevOps & Tools:** Git, GitHub, Docker, Kubernetes, GitHub Actions, Google Cloud Platform, Nginx, Cloudflare, RabbitMQ, Kafka

## Certifications

- **ETS TOEIC Reading & Listening: 870/990** *June 2023*
- **ETS TOEIC Speaking & Writing: 300/400** *June 2023*