

# Trinh Huu Tuan

Software Engineer

📍 Thu Duc, Ho Chi Minh City

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## Objectives

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In the next 1–2 years, I'm willing to enhance my technical expertise by contributing to challenging projects as a Software Engineer. Within 3–5 years, I aim to grow into a senior role where I can lead teams, architect scalable systems, and drive product innovation.

## Skills

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**Programming languages:** Golang, C#, JavaScript, TypeScript, SQL, NoSQL.

**Frameworks:** Gin, .NET, ASP.NET core.

**Database:** SQL Server, MongoDB, Redis.

**Clouds:** GCP (Compute Engine, Cloud Run, Cloud Storage, GKE), AWS (S3, EC2, RDS, Lambda, EKS).

**DevOps:** Jenkins, Docker, Kubernetes, GitHub Actions, Terraform, ArgoCD, CI/CD pipelines.

**Soft Skills:** Problem solving, business communication, adaptability, leadership, teamwork.

**Languages:** Vietnamese (Native), English (Intermediate).

## Honors & Achievements

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**30% FPT University Scholarship**

## Education

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**FPT University**

Software Engineering

Sept 2021 – May 2025

- **GPA:** 3.3/4.0 – Very Good

## Experience

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**Intern Backend Developer**

FPT Software Company

Ho Chi Minh, Vietnam

Jan 2024 – May 2024

- Designed and developed RESTful APIs for core business logic, improving internal response time by 15%.
- Participated in Agile Scrum team of 6, delivering sprint goals on time with high-quality code coverage.
- Trained and practiced System Design.

**Freelancer – Backend & DevOps Engineer**

Thu Le Shop E-Commerce Project

Ho Chi Minh, Vietnam



Mar 2025 – Jun 2025

- Built a microservices system in Go & gRPC and Kafka, reducing backend latency by 40%.
- Deployed to Kubernetes (Digital Ocean), CI/CD with Github Actions.
- Implemented RBAC service using Casbin, improving permission-control accuracy.
- Integrated VNPAY & VNPOST APIs, automated order-to-delivery pipeline; processed 100+ transactions in pilot.
- Improved performance of APIs response by 40% with Redis Caching.




## Projects

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### Bird Farm Shop

- Description: The system is used to obsessive processes of caring bird and help customers breed birds. The system is developed for a bird shop.
- Position: Backend Developer.
- Responsibilities: Analyzed and designed database, developed and deployed APIs Services.
- Achievements: Developed an API system within 2 months, learned how to analyze requirements and database.
- Technologies: Node.js, Express, React.js, Typescript, Docker, Vercel, MongoDB.
- Repositories: [Server Repository](#) , [Client Repository](#) 

### Outfit4rent

- Description: The system is designed for clothing rental stores in the form of specific rental packages.
- Position: Leader, Backend Developer, and DevOps Engineer.
- Responsibilities: Deployed and set up CI/CD pipeline with Jenkins and development environment, implemented Kafka, sending mail and Firebase in notification service, and implemented APIs and UI Admin Pages.
- Achievements: Reduced mail server congestion by using Kafka to send mail by 40% and lead team to completely perform project within 3 months.
- Technologies: C#, .NET, Kafka, Redis, Typescript, React.js, Docker, Jenkins and GCP.
- Repositories: [Client Repository](#) , [Server Repository](#) , [Mobile Repository](#) 

### Blockchain Integration In Agricultural Production

- Description: The system is designed for farms to plan short-term agricultural production and support farmer work tracking using a mobile application by blockchain technology.
- Position: Leader, Fullstack Developer, and DevOps Engineer.
- Responsibilities: Deployed and set up CI/CD pipeline with Jenkins, analyzed the database, implemented APIs with Redis Caching and UI Pages, and addressed blockchain problems.
- Achievements: Learned Blockchain and Agriculture domain, used Redis caching strategies: Read Aside and Write Around to reduce response time by 60% and solved blockchain integration to save critically important data.
- Technologies: C#, .NET, Redis, Typescript, React.js, Vechain, Docker, Jenkins and GCP.
- Repositories: [Client Repository](#) , [Server Repository](#) , [Mobile Repository](#) 

## Certificates

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[Software Development Lifecycle](#) 

[Project Management Principles and Practices](#) 

[Web Design for Everybody: Basics of Web Development & Coding](#) 

[CertNexus Certified Ethical Emerging Technologist](#) 