

## LUONG THE ANH (ANDY)

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## INTRODUCTION

*I am an experienced software engineer with innovative solutions to everyday problems. In my seven years in this industry, I've honed my analytical thinking and collaboration skills. I love working with cross-functional teams, and I am continuously exploring new technologies, particularly in the AI and Machine Learning and blockchain domain, to build cutting-edge solutions.*

## EMPLOYMENT

### Back-end Software Engineer

### Fpt Software

11-2022 - now

FPT Software is a Viet Nam technology company that provides software solutions for global customers (Europe, Singapore, Japan). I am working here as Back End Engineer for 2 projects:

#### Project: Pecofoo

Worked on an internal project that provides users with tools to calculate all requirements for building and maintaining wind farms. Technologies used include ReactJS, Python (Django), RabbitMQ, and NestJS.

- Implemented various features to enhance the user interface and backend functionality.
- Reviewed code from other team members to ensure consistency and high code quality.
- Provided ideas and suggestions to improve application performance and scalability.

#### Project: Customer Portal

Worked on migrating a customer portal from Angular to ReactJS, focusing on modernizing the user experience and improving overall performance.

- Led the migration from an Angular-based codebase to ReactJS, ensuring seamless functionality and maintaining user experience.
- Refactored existing components for ReactJS, improving code maintainability and reusability.
- Collaborated with team members to resolve migration challenges and ensure compatibility across different platforms.

### Back-end Software Engineer

### Medicia

03-2022 12-2024

Medicia is a Singapore company in the medical field that helps >1000 patients suffering from cancer. My responsibilities are:

- Designed the database structure with both SQL and No SQL type
- Created micro-services base for Nodejs project

- Support feature to estimate patient wait time with AI technology (tensorflow, scikit-learn)
- Support Dev-Ops team to deploy products to different environments.

### **Technical Leader**

### **Techvify**

**10-2020 03-2022**

Worked on a project for Diginex as a technical leader for a team size of 10 members. This project supported companies verifying their qualification environment.

- Implemented Homepage, Login and report modules using ReactJs
- Implemented API for login and CRUD models of the project using NestJS
- Defined architecture to optimize project structure. (Created Helper Service to reuse function, created repository structure to reuse SQL query command). Reduced 20% size of code base
- Implemented a cronjob service with Nodejs to verify report logs to the blockchain system(based on Tezos and Bitcoin)
- Implemented Redis to optimize application performance. API responded faster than 50%.
- Implemented Stripe Payment method for Payment and Billing System
- Hosted tech talk meetings that helped colleagues sharing their knowledge
- Support team members in reviewing Pull Requests. Provide technical solutions for member tasks.
- Support team during Sprint. Make sure team is following Agile Scrum process.

### **Full-stack Developer**

### **OpenCommerce**

**5-2020 10-2020**

The company product are e-commerce platform that provide to more than 365,000 merchants and 90.000 stores in countries in the world like: China, America, Vietnam for products like: drop-shipping, print-on-demand digital-products. Technologies included: Golang, RabbitMQ, VueJS, Python, PostgreSQL, MongoDB.

- Implemented Backend with Golang, GRPC for a microservices system.
- Implemented Front-end for login and CRUD models of the project with VueJS
- Implemented Streaming socket for online streaming
- Optimized CI/CD help team can build and deploy faster to 30%

### **Front-end Intern**

### **Vin ID**

**10-2019 5-2020**

Worked on a project for the internal Vin group:

- Implemented some CRUD forms using ReactJS
- Help the team build common components that can reduce the project size to 30%.
- Got familiar with project management structure: Agile, Scrum

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### **Programming Languages and Technologies**

- Javascript, Python, Golang
  - ReactJS, NestJS, Fiber, React Native, FastAPI, Django
  - Redis, PostgreSQL, MySQL, MongoDB,
  - Socket.io, gRPC, RabbitMQ
  - Solidity, Web3, Truffle
  - Docker, Kubernetes
  - Gitlab, Jira,
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### **Side Projects**

- Hardhat development: <https://github.com/Zippochoiloto/Hardhat>

- GRPC-Go: <https://github.com/Zippochoiloto/GRPC-Golang>
  - Trade bot: [https://github.com/Zippochoiloto/Trading\\_bot\\_FE](https://github.com/Zippochoiloto/Trading_bot_FE),  
<https://github.com/Zippochoiloto/Tradebot>
  - Secure Notes: Project to interact with Sepolia Testnet Network:  
<https://github.com/Zippochoiloto/Secure-Notes>. Project is deployed here:  
<https://secure-notes-fe.onrender.com/>
- Estimate time with AI: Using tensorflow, and fastapi:  
<https://github.com/Zippochoiloto/estimate-time-ai>