

# NGUYEN TRONG THUAN

## BACKEND DEVELOPER

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🌐 <https://ntthuan060102github.github.io/NguyenTrongThuan>

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## SUMMARY

Greetings, my name is **Nguyen Trong Thuan**. I'm a seasoned back-end developer with nearly **2 years of hands-on experience**. I am seeking opportunities to expand my knowledge and refine my skills in a stimulating and supportive environment. As I progress in my career, I am eager to cultivate meaningful connections and collaborations that will contribute to my future endeavors.

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## EDUCATION

**University of Science - VNUHCM (2020 - 2024)**

**Major:** Information technology - Information system

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## WORK HISTORY

**Digital Transformation Center - FPT Corporation**

Backend Developer

06/2022 - Present

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## PROJECTS

### My PT

- **Overview:** FPT's internal system efficiently serves its staff, accommodating average capacity of **5000 concurrent users (CCU)**.
- **Key skills utilized:** Python, Django, Rest framework, MySQL, Redis, distributed queue, message queue, Firebase Cloud Messaging, Docker, CI/CD, data caching, RESTful API, event sourcing, database design, logging, security, gRPC, Kafka, unit testing,...
- **Role and responsibilities:**
  - Develop the logical database schema and translate it into a physical schema based on transaction analysis and system capabilities.
  - Implement data security, access control policies and optimization solutions on database.
  - Deploy REST and RESTful APIs while implementing robust security mechanisms for API protection.
  - Construct, operate and maintain high level crontab service and distributed queue for entirely micro-services cluster.

## Zeta

- **Overview:** Zeta is my personal project that simulates the same main functions as today's popular social networks.
- **Key skills utilized:** Javascripts, MongoDB, NodeJS, ExpressJS, ReactJS, MERN Stack, Redis, Socket, Firsebase hosting, Firebase storage, ReactJS, ExpressJS, CI/CD, Netlify, ...
- **Git repository:** <https://github.com/ntthuan060102github/Zeta>
- **Website:** <https://selina-ecommerce.netlify.app>
- **Preview:** In [my porfolio](#), "Projects" section or [here](#).

## Selina

- **Overview:** A personal project is simulates a E-commerce system.
- **Key skills utilized:** Javascripts, MongoDB, NodeJS, ExpressJS, ReactJS, MERN Stack, Redis, Firsebase hosting, Firebase storage, ReactJS, ExpressJS, CI/CD, Netlify, Micro-services,
- **Git repository:** <https://github.com/ntthuan060102github/selina-origin>
- **Preview:** In [my porfolio](#), "Projects" section or [here](#).

## My other personal projects

- **Description:** Other project related to many topics such as **ETL pipeline** (airflow, SSIS,...), **game development** (Unity/C#, Pygame,...), **oracle development** (data security, access control with VPD, DAC, RBAC, OLS,...),...
- **Portfolio:** <https://ntthuan060102github.github.io/NguyenTrongThuan>
- **Github:** <https://github.com/ntthuan060102github>

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## OTHER SKILLS

**Language:** Capable of reading English documents and using English at intermediate level.

### Other technical skills:

- **Web development:** ReactJS, VueJS,...
- **Oracle & other DBMSs:** Experience implementing data security and access control policies in Oracle (using **DAC, RBAC, VPD, OLS**,...) and other similar DBMSs.
- **Redis:** Use Redis as the main database cache. Additionally, use Redis features such as **Redis keyspace notification, Redis Pub/Sub**,... to make special requests.
- **Programming languages:** Python, C/C++, C#, Java, Javascript,...
- **ETL/ELT:** SSIS, Airflow,...
- **Tools:** Postman, Docker, Visual Studio, Visual Studio Code,...