NGUYEN TRONG THUAN

BACKEND DEVELOPER

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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.

EDUCATION

University of Science - VNUHCM (2020 - 2024)

Major: Information technology - Information system

WORK HISTORY

Digital Transformation Center - FPT Corporation

Backend Developer   **06/2022 - Present**

I joined the company in June 2022 as a backend developer and quickly became part of an internal project. My responsibilities include building micro-services components and addressing any troubleshooting issues that arise.

PROJECTS

My PT

- **Overview**: FPT's internal system efficiently serves its staff, accommodating average capacity of **6000 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**:
  - Project setup: Initialize and configure the Django project, build the core for the project, integrate the necessary modules for micro-services system.
  - Develop a distributed database schema tailored for micro-databases, design RESTful APIs, and implement comprehensive unit tests.
  - Architectural design, construction, development and operation of a highly scalable crontab and queue system that can handle a massive volume of requests per day.
  - Efficiently deploy services and proactively monitor them across various environments, ensuring their continuous and optimal performance.

Zeta

- **Overview**: Zeta is my personal project that simulates the same main functions as today's popular social networks.
- **Key skills utilized**: Javascipts, MongoDB, NodeJS, MERN Stack, Redis, Socket, Firsebase hosting, Firebase storage, ReactJS, ExpressJS, CI/CD, Netlify, ...
- **Role and responsibilities**:
  - Project Initialization: Initiate and configure a Node.js and React.js project, establish coding standards, and carefully select suitable libraries and plugins for the project's needs.
  - Create a comprehensive schema for a NoSQL data model, with MongoDB as the primary database, to optimize data management and storage.
  - Design and author micro-services, generate RESTful APIs, establish an efficient management mechanism, and partition socket connections for seamless operation.
  - Design and construct website interfaces, seamlessly integrate RESTful APIs for real-time data retrieval and display, thereby enhancing the overall functionality of the website.
- **Git repository**: https://github.com/ntthuan060102github/Zeta
- **Preview:** In my porfolio, "Projects" section.

My other personal projects

- My portfolio: https://ntthuan060102github.github.io/NguyenTrongThuan
- My Github: https://github.com/ntthuan060102github

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, Katalon, Docker, Visual Studio, Visual Studio Code,...