LAN NGUYEN

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ⓘ github.com/mmmnic2

🌐 https://my-portfolio-beta-one-90.vercel.app

Passionate backend developer focused on career growth, specializing in **Spring Boot** with expertise in system optimization using **Redis**. Additionally skilled in frontend development with **ReactJS** and **NextJS**.

WORK EXPERIENCE

🕐 10/2024 - current

Company: Toast Canvas VN

Position: Contractor Backend Developer

Description: A website for managing webtoon viewing, including user interaction features such as liking webtoon and commenting on chapters. It also allows authors to publish and manage their own webtoon.

Responsibilities:

- Integrated **Redis** for **caching, TTL-based session management, and Token Blacklisting**, reducing database load and enhancing security. Ensures **2x faster queries** and **real-time token revocation** to prevent unauthorized access after logout.
- Scheduled a **24-hour ranking job** in **Spring Boot** with **Pessimistic Locking** to ensure data consistency by preventing concurrent updates. This guarantees **accurate rankings and database integrity** without performance loss.
- Using **MyBatis** with **XML-based configuration** ensures **flexible and maintainable SQL management** for complex queries. It optimizes performance when **loading webtoon chapters, searching authors, and categorizing webtoons**, making it more efficient than Hibernate.
- Developed and maintained RESTful APIs to facilitate data interaction between the front end and back end.

Technologies:

- **Spring Boot,** Spring Security, Spring Data JPA**, MariaDB,** Heidisql IDE**, Redis, MyBatis**
- Docker
- **Git, GitHub**

🕐 04/2024 - 07/2024

Company: TMA Solutions

Position: Intern Fullstack Developer

Description: The restaurant management system is designed to assist customers in managing areas: managing inventory, managing table reservations, ordering food, payments, and vouchers.

Responsibilities:

Backend

- Utilized **Redis** to implement caching mechanisms, optimizing the application to handle high traffic efficiently.
- **Revamping the database design** to better support data editing in the existing system.
- Developed and maintained RESTful APIs to facilitate data interaction between the front end and back end.

Frontend
- **Component Optimization:** Streamlined component development by prioritizing reusability, resulting in a significant **30%** increase in GUI web development.

Technologies:
- **Spring Boot,** Spring Security, Spring Data JPA**, MySQL, Redis.**
- **NextJS, React Query,** Redux**,** Material UI, **Gitlab**.

Outstanding achievements:
    Use Redis to handle the problem of distributing vouchers to users

SKILLS

Programming Languages
- Java, JavaScript, TypeScript

Frameworks and Libraries
- Spring Boot, Spring Security, Spring Data JPA, Hibernate, ReactJS, NextJS, Redux, MUI, React Query

Database Management
- MySQL, MongoDB, Redis, Microsoft SQL Server

CI/CD
- Docker

Version Control
- Git, Gitlab

INDIVIDUAL PROJECTS

Social Media

ⓘ https://github.com/mmmnic2/social-media   🌐 https://social-media-two-ecru.vercel.app/

Description: Build community, share knowledge, stories and connect people online, chat with your friends.

*Responsibilities***:**

Backend
- User Management: Handling **user registration**, authentication, authorization, and profile management.
- Content Management: Storing, managing user generated content (posts, images, videos, etc.).
- Social Graph: Building and maintaining relationships between users, such as **followers and followings.**
- Security and Privacy: Protecting user data and implementing **robust security** measures.

Frontend
- Coded layouts and interactive elements using **NextJS** to ensure seamless user interaction.

Technologies:
- **Spring Boot**, Spring Security, Spring Data JPA, **MySQL**, **Websocket**.
- **NextJS**, React Query, Redux, Tailwind CSS.

EDUCATION

INFORMATION TECHNOLOGY

UNIVERSITY OF INFORMATION TECHNOLOGY

GPA: 8.86 / 10

📅 07/2022 - 10/2024