Lê Bùi Dĩ Hòa

Ho Chi Minh City

BACK-END ENGINEER

Innovative Back-end Engineer with almost 3 years of professional experience developing scalable, high-performance web applications using NodeJS and related technologies. Adept at building robust APIs, and integrating third-party services. Skilled in problem-solving, critical thinking, and team collaboration. Passionate about optimizing system performance and ensuring seamless application delivery in fast-paced, e-commerce environments.

SKILLS

- **Back-end Development**: NodeJS, ExpressJS, NestJS
- **API & Messaging**: RESTful APIs, gRPC, Bull (Message Queue), Kafka
- **Database & Caching**: PostgreSQL, MySQL, MongoDB, Firebase Firestore, Redis, Elasticsearch
- **Deployment & Containerization**: Docker, Kubernetes
- **Programming Languages**: Rust, TypeScript, JavaScript, Java, C++
- **Tools & Version Control**: Git, NeoVim, DBeaver
- **Methodologies**: Agile (Scrum, Kanban)
- **Languages:** Vietnamese (Primary), English (TOEIC 715)

WORK EXPERIENCE

Trident Digital Tech **May 2023 - Present**
Back-end Developer

- Developed and maintained a **NodeJS**-based e-commerce platform, ensuring system stability, scalability, and efficient integration with third-party services (e.g., **Grab Express**, **Google Maps**).
  - **Tech Stack**: **NestJS**, **Postgres**, **Elasticsearch, Redis, Kafka**, **microservice** using **gRPC**.
  - **Responsible**: Back-End developer, design API, system design.
  - **Achievements**:
    - Implemented a real-time inventory management system using **Redis**, reducing order processing latency by 30%.
    - Architected a microservice-based search service architecture using **gRPC**, enabling efficient data retrieval and improving system resilience.
    - Developed a personalized product recommendation engine powered by **Elasticsearch**, increasing user engagement by 25%.
- Designed and implemented a scalable message queue system with **Kafka** to handle high volume of order processing, resulting in a 40% improvement in order fulfillment time during peak hours.
- Collaborated in an agile environment to plan, assign, and complete development tasks on schedule.

GEEK Up **Aug 2022 - Jan 2023**
Back-end Developer

- Designed and implemented **APIs** using **NestJS**, enhancing overall system performance and scalability.
- **Tech Stack**: **NestJS**, **Postgres**, **Redis**.
- **Responsible**: Back-End developer, API design, feature implementation.
- **Achievements**:
  - Developed and launched an internal "Innovation Platform" (e.g., a forum, suggestion box) allowing all members to submit ideas and insights for company improvement.
  - Implemented a feedback-driven feature prioritization system based on insights from the platform, resulting in a 20% increase in team satisfaction with project relevance (based on internal surveys).
- Participated in all project phases from requirement analysis and design to implementation and maintenance.
- Identified and fixed critical system bugs, contributing to improved platform stability and user satisfaction.

EDUCATION & CERTIFICATIONS

VNUHCM - University of Information Technology

Information Systems - Graduated with a Very Good classification
Awards: University Scholarship for high GPA (8.91/10)

ADDITIONAL HIGHLIGHTS

- Strong communication skills with a proven track record of working effectively in collaborative teams.
- Proactive in adopting new technologies and methodologies to enhance system performance and user experience.
- Demonstrated ability to manage time efficiently and deliver high-quality results under tight deadlines

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PROJECTS

TriFood (Food delivery app platform) **May 2023 - Present**

- Built robust backend **APIs** using **NodeJS** and **NestJS**, leveraging **TypeORM** with **PostgreSQL** for efficient data management.
- Implemented asynchronous processing with **Bull (Message Queue)** and caching using **Redis**, optimizing performance during peak loads.
- Integrated **Elasticsearch** for fast and accurate search functionality, and coordinated microservices communication through **gRPC**.

Flight Delay/Cancellation Prediction System **Feb 2023 - Jul 2023**

- Developed a system to collect real-time weather and flight data using **NestJS** and **RESTful APIs**, storing information securely in **PostgreSQL**.
- Integrated a machine learning model **(Gradient Boosting)** to predict flight delays or cancellations, achieving improved operational planning.
- Created an intuitive **ReactJS** web interface for users to access real-time flight status updates.