



HOÀNG XUÂN VIỆT

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SUMMARY

Experienced backend developer with over 3 years of experience designing and implementing scalable web applications, with a particular focus on ERP systems. Expertise in optimizing system performance, ensuring data accuracy and integrity, and developing robust APIs for complex integrations. Proven ability to work with a wide range of backend technologies including PHP, Node.js, Redis, RabbitMQ, and Docker to deliver solutions that meet high-availability and low-latency requirements.

SKILLS

- **Languages :**
 - Proficient : PHP, JavaScript, C/ C++.
 - Familiar : Java ,Golang.
- **Database :**
 - Relational: MySQL.
 - NoSQL: MongoDB, Redis.
- **Technologies :**
 - Message Brokers: RabbitMQ, Redis Pub/Sub
 - Containerization: Docker
 - API Development: RESTful APIs
 - ERP System Design, Database Optimization, Microservices Architecture.

EXPERIENCE

THIÊN HẢI SOFTWARE – HO CHI MINH CITY, VIETNAM

Backend Developer

Jan 2022 to Present

- **ERP System for Dinh Dưỡng Khánh Hòa**
 - **Accounting System:** Designed and implemented core modules for the ERP's accounting system using PHP and MySQL, including automated financial reporting, fixed asset management, and processes to ensure compliance with financial regulations.
 - **Database Redesign:** Restructured the database architecture for inventory and warehouse management systems, improving data accuracy and operational efficiency.
 - **Integration with Redis and RabbitMQ:** Implemented Redis for caching and RabbitMQ for asynchronous task processing, reducing system bottlenecks and improving response time in critical operations.
 - **Technologies:** PHP, MySQL, Redis, RabbitMQ, Docker.
- **Warehouse Management System:** Developed comprehensive inventory management features, including real-time stock level tracking and low inventory alerts, improving warehouse efficiency and reducing stock outages.
 - **Node.js and MongoDB:** Leveraged Node.js and MongoDB for high-performance, real-time data handling, integrated with Redis for fast lookup of frequently accessed inventory data.
 - **Technologies:** Node.js, MongoDB, Redis, Docker
- **Sales and Purchase Order Modules:**
 - **Streamlined order processing** by implementing custom APIs for handling sales and purchase orders across the ERP system, improving data synchronization between departments.
 - The system **automatically managed stock adjustments** by adding and subtracting inventory levels in real-time based on incoming and outgoing orders.
 - **Sales invoices generated** through this module were **integrated with the accounting system**, ensuring **accurate financial reporting** and **compliance with tax regulations**.

ERP SYSTEM FOR SAFCO

- **Inventory Tracking System:** Developed an ERP module for monitoring inventory and school meal supply production, ensuring accuracy in stock levels and timely replenishment through automated alerts.
 - **API Development:** Created robust APIs for integrating with external systems and facilitating data exchange between sales, inventory, and production departments.
 - **RabbitMQ and Redis Pub/Sub:** Integrated RabbitMQ and Redis Pub/Sub to manage real-time communication between services, improving system scalability and reducing downtime during peak operations.
 - **Technologies:** PHP, Node.js, Redis, RabbitMQ, Docker
- **Automated Production Orders:** Automated the generation of production orders based on real-time sales data, improving material utilization and reducing manual errors.

API DEVELOPMENT FOR VIỆT TIẾN – VTEC

- **Data Integration API:** Designed and implemented APIs for importing and validating external data, including packing lists, inspection records, and purchase orders, ensuring seamless integration between external systems.
 - **Data Validation:** Enhanced data validation processes to ensure accurate imports, reducing errors in the production pipeline.
 - **Technologies:** PHP, RESTful APIs, MySQL

GLICO QR CODE PRIZE REDEMPTION APPLICATION

- **Secure Prize Redemption System:**
 - Designed and developed a web application to handle QR code-based prize redemption, managing key functionalities such as user registration, prize claiming, and automated reward distribution.
- **Data Protection & Security:**
 - Implemented strong encryption and authentication mechanisms (using JWT) to ensure secure user transactions and prevent unauthorized access or fraud during the redemption process.
- **Third-Party Integration:**
 - Coordinated with third-party services (Fibo) to handle financial transactions and manage SIM card rewards distribution seamlessly, ensuring reliable and secure reward delivery.
- **Database Management:**
 - Leveraged MongoDB for efficient storage and retrieval of user data, QR codes, and transaction histories, optimizing the system for high performance and scalability under heavy loads.
- **Technologies:** Node.js, MongoDB, RESTful APIs, JWT (JSON Web Tokens)

EDUCATION

BKACAD ACADEMY OF INFORMATION TECHNOLOGY

Bachelor of Engineering in Computer Science

Aug 2018 - Mar 2023

- GPA 3.2