# Vo Quoc Huy

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## EXPERIENCE

**Employment Hero** | Tech: Ruby on Rails, Sidekiq, SQL, Redis, Kafka, gRPC, Sentry — Remote
*Junior Backend Software Development Engineer* — *Apr 2024 – Present*

- Designed and implemented an auto-saving mechanism for user comments across multiple devices, resulting in improving user experience, encouraging more engagement and increasing user retention across platforms.
- Designed and implemented a career progression feature leveraging polynomial regression model to forecast user salaries.
- Designed and integrated Braze webhook to automate WhatsApp notifications for shortlisted candidates in Malaysia and Singapore, while ensuring the security and stability of the server through robust safeguards.
- Migrated CI/CD Pipeline for services from CircleCI to GitHub Actions, resulting in a 5x reduction in costs.
- Identified and optimized multiple inefficient queries, gRPC calls and resolved unit test issues, resulting in significantly faster processing times and enhanced system performance.
- Detected and fixed critical issues in the authentication flow for private APIs, contributing to the overall integrity and security of the system. .

**Athena Studio** | Tech: Python, FastAPI, GCP, Redis, SQL, Airflow — Ho Chi Minh City, Vietnam
*Software Engineer* — *Nov 2022 – March 2024*

- Develop and maintain robust pipelines for automated data collection from diverse sources to warehouse, contributing significantly to the analysis of company revenue and cost.
- Implement a monolithic high-throughput system, processing and storing millions of events daily from diverse clients by utilizing Google Cloud Pub/Sub, contributing to a 25% of system costs reducing.
- Implemented an microservice in-app purchase system, managing the processing, verification, and storage of user notifications and receipts during payments, empowering mobile teams with streamlined tracking and analysis.
- Refactor legacy code, restructuring folders, introducing unit tests, and rewriting deprecated services, resulting in a 35% increase in efficiency for adding new feature while enhancing code readability, and maintainability.

## PROJECTS

**Full Stack Social Platform** | Tech: Java, Spring Boot, PostgreSQL, Redis, Kafka, GCP, React, JavaScript — *GitHub*

- Consulting and supporting backend team in implementing an optimized caching mechanism.
- Authenticate, validated and processed user data, orchestrating seamless communication between the frontend and backend through REST APIs, ensuring a secure and smooth user experience.
- Led the front-end team to develop and deliver an engaging, user-friend, and responsive website.

**Shoppingify Management** | Tech: React, Styled Components, TypeScript, Express, MongoDB — *GitHub*

- Build and deployed a responsive website with search, filter, and checkout capabilities.
- Implement transaction history tracking, trending products for user, management dashboard for admin.

## EDUCATION

**Royal Melbourne Institute of Technology Vietnam** — Ho Chi Minh City, Vietnam
*Bachelor of Software Engineering; (**Honours First Class**)* — *Sep 2019 – Sep 2023*

## CERTIFICATIONS

- Google Cloud Essentials.
- Serverless Cloud Run Development.

## SKILLS & LANGUAGE

**Skills:** Back-End/Full-Stack Web Development, Ruby on Rails, Cloud Development, Serverless Development, Python, FastAPI, Django, Flask, GCP, SQL, NoSQL, Bigquery, Terraform, Docker, TypeScript, HTML, CSS, ReactJS, OOP, Monolithic, Distributed System, Microservices, gRPC, Linux, Redis, Message Queue, Caching, REST APIs, GraphQL, Background Task, Agile Software Development, Version Control Systems (GIT), Algorithms, Data Structure, SOLID, Design Pattern, RDBMS, ORM, Unit Testing, Integration Testing, Teamwork and Communication, Critical Thinking, Problem Solving, Debugging Proficiency, Monitoring.

**Languages:** Full professional proficiency in English.