

HIEU KIM

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OBJECTIVE

A Full Stack Software Engineer with 4 years of experience, specializing in building successful vertical search products. Proven track record of driving measurable success and user engagement through innovative software solutions.

SKILLS

Programming Languages	Python, PHP, C++
Web Technologies	HTML 5, CSS, Javascript, Nextjs, Django, Nginx
Database	MySQL, Posgres, Supabase
Other Technologies	ElasticSearch, SOLR, Docker

EXPERIENCE

Software Engineer Cazoodle	Oct 2022 - Current <i>Hanoi, Vietnam</i>
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- **GrantForward:** The key member of **GrantForward**, the flagship product of the company. GrantForward is a vertical search engine that supports researchers in finding grants for their projects, widely used by top universities, including **Stanford**, with over **1,000 active** daily users.
- **Post Submission:** Designed and developed a separate platform **from scratch** to support internal competitions within institutions to identify strong candidates for grants.
- **Grants Data Pipeline:** Maintained and improved the data pipeline, a system responsible for processing and normalizing data from more than **2,000 grants** daily.
- **Grants Data Console:** Streamlined workflows for data validation and administrative operations to improve internal efficiency. Integrated **ElasticSearch** to enhance Grant Dashboard performance, achieving a **100 times improvement** in **query speed** and data retrieval efficiency.
- **Code Review:** Conducted code reviews for team members to ensure high-quality standards, promote best practices, and provide constructive feedback to enhance team collaboration and code efficiency.
- **Technologies:** MySQL, Python, Django, PHP, Docker.

Software Engineer One Mount Group	Jan 2021 - Oct 2022 <i>Hanoi, Vietnam</i>
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- Contributed to the development of **ERA (Efficient Resource Allocation)**, a tool designed to digitize portfolio management processes, replacing traditional Excel-based workflows.
- Collaborated closely with PM and cross-functional teams to deliver high-quality features, ensuring 90 percent integration test coverage. Conducted comprehensive code reviews and documentation for robust code quality.
- Actively listened to stakeholders' requests, confirming full understanding before addressing concerns.

SIDE PROJECTS

Eazy Test: an internal competition test application for a SME company, built entirely from scratch using **Next.js**, **PostgreSQL**, **Supabase**, and **Nginx**. The platform is **currently live** and actively used by **30-50 users** daily, streamlining the company's internal testing processes.

Virtual Machine Installer Created a desktop application using Electronjs to automate the installation of Vagrant, VirtualBox, and CentOS 7 on Windows operating systems.

Battleship game Developed a C++ game with both player-versus-player and player-versus-computer modes. Implemented game mechanics, including the placement of ships, the taking of shots, and the tracking of hits and misses. Created user input and output functionality, allowing players to enter their moves and receive feedback on the game status.

EDUCATION

Electronics and Telecommunications Engineering, Hanoi University of Science and Technology 2016 - 2021
GPA: 3.07/4

FELLOWSHIPS & AWARDS

- Encouragement scholarship for 2020–2021 students with outstanding academic achievements, Hanoi University of Science and Technology.
- Next Generation Tech Booster Scholarship, Udacity.

CERTIFICATIONS

- IELTS: 7.0
- Outsystems Certified Associate Reactive Web Developer.

COURSES

- Introduction to Data Engineering (Coursera)
- Introduction to Relational Databases (Coursera)
- What is Data Science (Coursera)
- Data Science Methodology (Coursera)
- Python for Data Science and Machine Learning Bootcamp (Udemy)