HIEU KIM

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OBJECTIVE

A 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, React, Nextjs, Django, Nginx
Database	MySQL, Posgres, Supabase
Other Technologies	ElasticSearch, SOLR, Docker

EXPERIENCE

Software Engineer   Oct 2022 - Current
Cazoodle   *Hanoi, Vietnam*

- **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 **10,000 active** daily users. Involved in the end-to-end development process, including both **front-end** and **back-end** tasks including enhancing the user experience and integrating search engine to increase performances of search result from 30 to 40 times.

- **Post Submission:** Designed and developed a separate platform **from scratch** to support internal competitions within institutions to identify strong candidates for grants. In charge of **front-end** and **back-end**, ensuring smooth operations and scalability for multiple users across different institutions.

- **Grants Data Pipeline:** Maintained and improved the back-end of the data pipeline, a system responsible for processing and normalizing data from more than **2000 grants** daily.

- **Grants Data Console:** An internal platform 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 improve team collaboration and code efficiency.

- **Technologies: MySQL**, **PostgreSQL**, **ElasticSearch**, **SOLR**, **Python (Django)**, **PHP**, **JavaScript (JQuery, React, Next.js)**, **Docker**.

Software Engineer   Jan 2021 - Oct 2022
One Mount Group   *Hanoi, Vietnam*

- **ERA (Efficient Resource Allocation):** Contributed to the **end-to-end development** of **ERA**, a cutting-edge tool designed to digitize portfolio management processes, replacing traditional **Excel-based workflows**. Worked on both **back-end** and **front-end** development, optimizing the user experience and ensuring seamless data flow throughout the platform.

- **One Housing Asset Management:** Played a key role in the **end-to-end development** of **One Housing Asset Management**, a tool aimed at enhancing the management of real estate assets. Contributions span full-stack development, focusing on performance, scalability, and user-centric design.

- **Collaboration & Code Quality:** Collaborated closely with Product Managers (PMs) and cross-functional teams to deliver high-quality features, ensuring **90% integration test coverage**.

- **Technologies: MySQL**, **ElasticSearch**, **Python**, **JavaScript (JQuery, React)**, **Outsystems**, **Docker**.

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 is actively used by **30-50 users** daily, streamlined internal testing processes of the company.

My Portfolio (hieukim.dsvp.vn): My personal portfolio website built using **Next.js**, **PostgreSQL**, **Supabase**, and **Nginx**, showcasing my personal information, tech stack, and CV.

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 placing ships, taking shots, and tracking hits and misses. Created user input and output functionality that allows 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)