**LÊ TẤN HƯNG**

**Full-stack Software Engineer**

*0968013793*

[*leetankhongs@gmail.com*](mailto:leetankhongs@gmail.com)

*[linkedin](https://www.linkedin.com/in/hungle1707/)*

**OBJECTIVE**

* Pursue a career in software development with a focus on growth and innovation.
* Thrive in a multinational, creative, and collaborative work environment.
* Eager to learn emerging technologies and open to constructive feedback for continuous improvement.

**EDUCATION**

* Bachelor's Degree in Information Technology at the University of Science*(2017 – 2021)*
* GPA: 9.01/10.0
* Graduated as valedictorian in Software Engineering

**University Graduation Project: Student Information and Forum Website (10/10)**  
*Technologies: NextJs, NestJs, React Native, Python, MySQL*

* Developed a web platform that allows students to search for university admission scores, access daily news, and participate in forums for discussions.
* Built an admin website for managing news, scores, and forum data to ensure a smooth flow of information.
* Designed and implemented a responsive and user-friendly interface using modern web technologies, enhancing the experience for both students and administrators.

**TECHNICAL SKILLS**

* Frontend:
* Languages & Frameworks: ReactJS, Redux-Saga, HTML/CSS, SCSS
* Automation Testing: Cypress
* UI/UX Tools: Figma
* Backend:
* Languages & Frameworks: Spring Boot (Java), NodeJS (JavaScript), Django (Python), NestJS (TypeScript), PHP
* Databases & Tools: MySQL, MongoDB, Redis, RabbitMQ, Elasticsearch, Celery
* Testing Tools: Jmeter
* Programming Knowledge:
* Proficient in Java, JavaScript, Python, C++
* Strong understanding of Git, functional programming, algorithms, and data structures

**EXPERIENCE**

* Database & API Design:
* Design database schemas, data flow, and RESTful APIs for high-performance systems.
* Software Development:
* Design and implement software solutions adhering to industry best practices for high-quality, high-performance applications.
* Collaboration & Leadership:
* Collaborated with QA and PM teams to improve business logic, prioritize requirements, and deliver quality software.
* Worked with teams on technical analysis, code reviews, and mentoring developers.
* Operations & Maintenance:
* Supported the maintenance and operation of applications, ensuring smooth functionality.
* Automation Testing:
* Gathered requirements, designed wireframes using Figma, and developed end-to-end automation tests using Cypress.

**WORK EXPERIENCE**

**Software Engineer – VNG Cloud**

*6/2021 - Present*

*Key Management Service*

*7/2024 – Present*

* **Developed a Web Application with AWS KMS-like Features:** Designed and built the application architecture and features from the ground up, delivering a web service with functionalities similar to AWS Key Management Service (KMS), ensuring secure and reliable encryption key management.
* **OpenStack Cinder Research and Code Adaptation:** Conducted in-depth research on OpenStack's Cinder service and modified code to support the "Bring Your Own Key" (BYOK) feature for creating encrypted volumes, integrating with internal company systems.
* **Evaluation of Key Storage Solutions:** Assessed the feasibility of transitioning from software-based key storage (Vault) to hardware security modules (HSM) for enhanced security in key management.
* **Role (Key Member):** Backend Developer and Researcher.
* **Technologies Used:** Spring Boot, MongoDB, Axon Framework (Event-driven architecture), RabbitMQ, Redis, Telegram.

*Vcloud Stack (Private Cloud Portal)*

*4/2024 – 7/2024*

* **Developed a Private Cloud Service Modeled After VServer:** Created a web service for private cloud infrastructure, similar to the company's VServer public cloud service, addressing the needs of external companies seeking to build their own private cloud environments.
* **Architected Initial Structure for Private Cloud Admin Pages:** Led the design and implementation of the initial architecture for admin pages, ensuring robust functionality and scalability for private cloud management.
* **Role (Key Member):** Backend Developer.
* **Technologies Used:** Spring Boot, MongoDB, Mail, Redis.

*Vnetwork*

*1/2024 – 4/2024*

* **Developed Initial VPC Network Infrastructure Project:** Spearheaded the design and development of a network infrastructure project providing Virtual Private Cloud (VPC) services, modeled after AWS, to support secure and scalable cloud environments.
* **Role (Supporting Member):** Backend Developer.
* **Technologies Used:** Spring Boot, MongoDB, Axon Framework (Event-driven architecture), RabbitMQ, Redis, Telegram.

*Ddos (Risk Management)*

*11/2023 – 1/2024*

* **Developed Architecture and Features for a DDoS Attack Monitoring Web Application:** Designed and implemented the architecture and core features of a web application to monitor and track DDoS attacks, ensuring real-time data collection and analysis for enhanced security responses.
* **Role:** Backend Developer.
* **Technologies Used:** Spring Boot, MongoDB, Redis.

*Vpartner*

*4/2023 – 11/2023*

* **Developed Architecture and Features for a Partner Management and Discount Registration Web Application:** Designed and built a web application for VNG Cloud partners to register for service discounts, manage their own partners, and enhance collaboration with the company, enabling them to earn commissions.
* **Role (Key Member):** Backend Developer.
* **Technologies Used:** Spring Boot, MongoDB, RabbitMQ, Mail, Redis.

*Iservice*

*8/2022 – 1/2024*

* **Developed Features for Server Provisioning and Network Infrastructure Management:** Implemented critical features for server allocation, network infrastructure, and VLAN management, enabling the data center to efficiently support internal departments in managing their infrastructure.
* **Optimized Complex Queries:** Enhanced system performance by optimizing complex database queries to improve efficiency and reduce response times.
* **Collaborated with Business Analysts:** Worked closely with Business Analysts to gather requirements from stakeholders, ensuring that solutions aligned with business needs.
* **Restructured Project Architecture:** Led efforts to refactor and optimize the architecture of the project for better scalability and maintainability.
* **Role (Supporting Member):** Backend Developer.
* **Technologies Used:** Spring Boot, PHP, Postgres, MongoDB, RabbitMQ, Mail, Redis.

*Vcolo*

*1/2023 – 4-2023*

* **Developed Architecture and Features for Asset Management Interface in Data Center:** Designed and implemented the architecture and user interface that allows users to view and manage assets they lease in the data center, including network devices, servers, racks, and rack units.
* **Queried Large Time-Series Databases:** Worked with large-scale time-series databases containing millions of data points to extract key metrics, such as power usage and electrical parameters of devices.
* **Role (Key Member):** Backend Developer.
* **Technologies Used:** Spring Boot, Postgres, Time-series DB (Postgres Plugin), Redis

*DCIM*

*6/2021 – 8/2022*

* **Developed Features for Data Center Asset Management Web Application:** Built and enhanced key features for a web application that manages data center assets, facilitating comprehensive asset tracking and management.
* **Collaborated with Contractors for Device Specifications:** Engaged with data center contractors to gather device specifications and integrate them into the system for better asset management.
* **Gathered Stakeholder Requirements and Wrote Project Specifications:** Acted as a Business Analyst by collecting requirements from stakeholders and independently writing detailed project specifications.
* **Designed User Interfaces for the Application:** Designed user interfaces for the asset management platform to ensure intuitive and effective user interactions.
* **Implemented Automation and Unit Testing:** Developed automation tests and wrote unit tests to improve manual testing processes, ensuring the robustness of the application.
* **Role (Key Member):** Full-stack Developer, Business Analyst, Designer, Automation and Manual Tester.
* **Technologies Used:** Django, ReactJS, ExpressJS, RabbitMQ, Redis, PostgreSQL, Time-series DB, Figma, Cypress, JMeter.

**Software Engineer – TPS Software**

*1/2021 – 5/2021*

*E-commerce News and Sales Platform Development*

* **Technologies Used:** Spring boot, MySql

**SOFT SKILL**

* **Quick Learner:** Demonstrates the ability to rapidly acquire and apply new knowledge and skills, adapting quickly to evolving technologies and methodologies.
* **Feature Development with a Focus on Security and Efficiency:** Proven track record of developing and enhancing features with a strong emphasis on security, performance, and reliability.
* **Problem-Solving Skills:** Adept at identifying and resolving complex issues, employing critical thinking and creative solutions to overcome challenges.
* **Adaptability:** Highly adaptable to changing environments and requirements, capable of thriving in dynamic and fast-paced settings.
* **Innovative Thinking:** Consistently brings fresh ideas and suggestions to the team, contributing to continuous improvement and innovation.