Thang Luu Quang

luu.quang-thang@outlook.com • +84 964056072 • linkedin.com/in/luuquangthang
github.com/dunglucbac • luuquangthang.work

WORK EXPERIENCE

Senior Software Engineer   Jun 2024 - Present
Gigarion Technology   HCM, Vietnam

- Collaborated with the Project Manager to enhance the technical direction of the product, resulting in a 20% increase in project efficiency.
- Designed, developed, and managed React.js and Python application code and services, improving deployment speed by 30%.
- Led and mentored a team of junior engineers, implementing structured onboarding and code review processes, reducing onboarding time by 30%.
- Championed best practices in API design and system scalability, helping the team adopt PostgreSQL indexing and Redis caching, improving system performance by 40%.
- Collaborated with cross-functional teams and product managers to align technical solutions with business goals, leading to a 20% increase in project delivery spee
- Participated in Agile software development, including prototyping and code reviews, to build scalable microservices-based products that reduced system downtime by 40%.

Backend Developer   Nov 2021 - Jun 2024
ADVANCE.AI - Jewel Paymentech   Remote, Singapore

- Developed and maintained high-quality code to ensure maintainability, scalability, and efficiency, resulting in a 20% increase in system performance.
- Participated in the development and implementation of best practices for coding, testing, and deployment, leading to a 15% reduction in bug incidents.
- Integrated Redis caching to improve API response times, decreasing database load by 35%.
- Collaborated with cross-functional teams to design and develop efficient and scalable backend systems, resulting in a 30% improvement in system speed.
- Contributed to the development of technical documentation, including API documentation and system architecture diagrams, improved team efficiency by 25%.
- Participated in code reviews, providing feedback to ensure adherence to best practices
- Participated in the testing and deployment of backend systems, ensuring compliance with requirements to achieve scalability and efficiency.

Backend Engineer   Jun 2020 - Nov 2021
Earable, Inc   HCM, Vietnam

- Collaborated with cross-functional teams to design, implement, and optimize APIs, resulting in a 10% increase in data integration efficiency.
- Spearheaded the creation of backend components for a cutting-edge Sleep Insights & Recommendation system, leading to a 15% improvement in personalized sleep solutions.
- Engineered internal software services to facilitate the secure and efficient transmission of customer data to sleep experts, enhancing the level of care and support provided with a 30% reduction in data transmission time.
- Developed a Serverless CI/CD pipeline using AWS SAM and CodeBuild.
- Consistently wrote clean, readable code with repeatable high quality results.
- Provided assistance and advice on the definition of system requirements and database design.

IT Operation Officer   Apr 2016 - Dec 2019
ILA Vietnam   HCM, Vietnam

- Automated routine tasks and system updates, resulting in a 30% improvement in overall efficiency.
- Implemented system monitoring and logging solutions, enhancing incident detection and response time by 40%.
- Collaborated with software development, QA, and IT support teams to achieve a 95% system reliability rate aligned with organizational goals.
- Ensured system security by managing access controls and firewalls, reducing vulnerabilities by 25% through regular scans.

PROJECTS

Capture ⧉   Nov 2021 - Jun 2024

A KYB (Know Your Business) project focused on monitoring the onboarding process of merchandise. The project encompasses comprehensive compliance checks and risk assessments to ensure adherence to regulatory requirements and mitigate potential risks. Capture enables organizations to streamline the onboarding process while maintaining regulatory compliance and minimizing exposure to risk.
Tech stack:
- Python, React, Kafka, Celery, PostgreSQL, Docker, AWS...

Frienz ⧉   Jan 2021 - Nov 2021

An advanced wearable device designed to monitor brain signals and seamlessly stream data to a sophisticated back-end system. Leveraging cutting-edge technology, the headband captures real-time brainwave data, then processed by the server to generate personalized sleep recommendations and insights. Additionally, the system securely stores the collected data, enabling healthcare professionals to assess the health status of individual customers and provide tailored medical advice.

Tech stack:
- Python, Java, Microservices, Machine Learning, NoSQL, AWS.

SKILLS

Databases: PostgreSQL (Indexing, Optimization, Heap File Organization), NoSQL (MongoDB, DynamoDB), Redis (Caching and Clustering)

Software Development: Python (FastAPI, Connexion, Django), React.js, Data Structures & Algorithms, SOLID Principles

Microservices: Kafka (Partition Strategies, Scalability, Fault Tolerance), Distributed Systems Design (Saga Pattern and CQRS)

Cloud & DevOps: AWS (API Gateway, Lambda, S3, EC2, RDS …), Docker, CI/CD Pipelines (GitHub Actions), Distributed Tracing (Datadog)

LANGUAGES

Vietnamese (Native proficiency) • **English** (Full professional proficiency)

EDUCATION

Bachelor of Science: Information Technology	**Sep 2021 - Oct 2023**
HCM University of Science	**GPA:** 3.5 of 4.0

Completed while working full-time as a Backend Engineer, balancing professional development and academic growth.

College: Information Technology	**Sep 2012 - Sep 2015**
Nam Dinh University of Technology Education	**GPA:** 3.2 of 4.0