

LE VAN CUONG

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TECHNICAL SKILLS & COMPETENCIES

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|-------------------------|--|
| Programming Languages: | JavaScript, Typescript, Java, Scala, Python |
| Frameworks & Libraries: | Node.js, NestJS, React, Play Framework, Hardhat, Ethers |
| Database & ORMs: | PostgreSQL, MongoDB, TypeORM, Prisma, Mongoose |
| Cloud & DevOps: | AWS (EC2, S3, Lambda, API Gateway), Docker, CircleCI, Serverless Framework |
| Tools: | Git, Confluence, Jira |
| Methodologies: | Object-Oriented Programming (OOP), Domain-Driven Design (DDD), Microservices |
| Core Competencies: | API Development, System Integration, Scalable Architecture |

EXPERIENCE

Grid Solutions, Inc. (A smart grid solution company)

Tokyo, Japan

Software Engineer (Remote, Full-time)

Aug 2021 - Present

- Designed and implemented four backend services using NestJS, TypeORM/Prisma, and PostgreSQL, improving system scalability and maintainability.
- Deployed scalable microservices on AWS using Serverless Framework, optimizing management workflows and reducing infrastructure costs.
- Integrated marketplace and management features for NFT projects using Hardhat, Ethers.js, OpenZeppelin, Alchemy, and NFT.storage, facilitating seamless interactions with ERC-721 tokens.
- Upgraded OrientDB (1.6.6 to 2.2.37) and Play Framework (2.5.8 to 2.7.0), boosting database and application performance while enabling advanced querying and type-safe request features.
- Maintained and enhanced Java/Scala-based energy management system using Play Framework, ensuring full compliance with OpenADR protocol standards.

XB Technology Co., Ltd (A UAV Platform Startup)

Da Nang city, Vietnam

Part-time Software Engineer

Apr 2022 - Aug 2023

- Built an e-commerce service for the UAV delivery system using NestJS, TypeScript, PostgreSQL, and Serverless Framework for scalability and reliability.
- Developed a billing service within the UAV management system to support advanced optional packages, adhering to Domain-Driven Design (DDD) principles and using the same stack for consistency and maintainability.
- Deployed e-commerce and billing services on AWS via Serverless Framework, achieving deployment times under 5 minutes and high availability.
- Integrated MQTT messaging to enable real-time communication between the e-commerce platform and the UAV delivery system, ensuring low-latency data transfer and improved system responsiveness.

Advanced Network Design & Analysis Lab. (Research on SDN & Cloud)

Seoul, South Korea

Research Assistant

Sep 2019 - Aug 2021

- Conducted research on emerging technologies such as network functions virtualization, container orchestration systems, and Infrastructure as Code (IaC).
- Developed a web application to streamline Kubernetes template creation, improving deployment efficiency and reducing setup time.

EDUCATION

Soongsil University

Seoul, South Korea

M.Eng. Information and Communication Technology *GPA: 4.18/4.50*

Aug 2019 - Aug 2021

Danang University of Science and Technology

Danang, Vietnam

Bachelor of Science in Information Technology *GPA: 3.2/4.0*

Aug 2013 - Aug 2018

PROJECTS

URL Shortener *NestJS, TypeScript, TypeORM, PostgreSQL*

<https://github.com/kanelv/url-shortener>

A lightweight service to generate short links from long URLs, built with NestJS, TypeScript, TypeORM, and PostgreSQL.

CONFERENCES AND PRESENTATIONS

An Extended Agent-Based Mechanism For Testing Service Function Chain

October 2020