

# VU LINH, NGUYEN (MR.)

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1993-04-06

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## Profile

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*I am a passionate Java developer with 5+ years of experience, possessing a strong foundation in Java SE, EE, Spring Framework, and its ecosystem. I specialize in crafting robust, high-performance, and scalable backend applications within a microservices architecture. Proficient in Java Core, Design Patterns, OOP principles and problem solving.*

## Technology Experiences

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### *Programming languages*

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**Java SE (8, 11, 17, 21), Java EE, Python (3), HTML5/CSS/JavaScript**

### *Frameworks & Libraries*

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**Hibernate, Spring Boot** (Spring Data, Spring JPA, Spring AOP, Spring Security, Spring Schedule, Cache), **Liquibase, Lombok, Mapstruct, JWT, QueryDSL, OpenAPI Swagger, JUnit (4, 5), Mockito, Python** (SQLAlchemy, Pydantic, Django, FastAPI)

### *Architectures*

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**Microservices, Monolith**

### *Methodologies*

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**Waterfall, Kanban, Agile/Scrum**

### *Relational DBMS(s)*

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**Microsoft SQL Server, PostgreSQL, MySQL/MariaBD, PL/SQL Oracle Database**

### *NoSQL*

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**MongoDB, ElasticSearch**

## Tools & Others

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**NetBeans IDE, Eclipse, IntelliJ IDE, VisualVM, DBeaver, Git, SVN, Postman /w Script, Docker, Apache Kafka, RabbitMQ, Redis/Caffeine, AWS SDK (S3, SQS), MinIO, GrowthBook, Sentry.IO, Notion, JIRA, Confluence, BackBase**

## Design patterns

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**Singleton, Factory, Template, Decorator, Builder, IoC**

# Working Experience

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*Java Backend Developer | MSB | Feb. 2025 - present*

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➤ Digital Channel

- Role: **Java Backend Developer**
- Developing and maintaining Java-based applications and services.
- Optimizing SQL queries and making necessary changes to databases to ensure the smoothness and the stability of querying operations.
- Staying updated with the latest Java features and best practices.
- Writing unit tests, ensuring code coverage and minimize the likeliness of edge case bugs.
- Participating in code reviewing and supporting other more junior members.
- Customizing KeyCloak's internal SPI to accommodate business-specific requirements.
- Studying basic essentials about BackBase technology (used by some banks).
- Technology stack: **Java 21, Microservices, Docker, Spring Boot, BackBase, JUnit, Mockito, MySQL/MariaDB, Oracle Database, KeyCloak, MinIO.**

*Java Backend Developer | CMC GLOBAL, Ltd. | Jul. 2023 – Dec. 2024*

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➤ Crowdfunding & Investment | Jul. 2023 – present | Size: 10-20

- Role: **Java Backend Developer**
- Developing and maintaining Java-based applications and services.
- Supporting migration from old systems into new ones and dockerizing them for AWS-based services.
- Optimizing SQL queries and making necessary changes to databases to ensure the smoothness and the stability of querying operations.
- Staying updated with the latest Java features and best practices.

- Writing unit tests, ensuring code coverage and minimize the likeliness of edge case bugs.
- Working in a team to create and maintain robust, scalable and maintainable backend services based on Spring Framework.
- Learning new technologies (Typescript, Python).
- Working directly and closely with clients and DevOps engineers to fix and maintain mission-critical functions of the production services.
- Writing necessary tools to support data retrieval for clients.
- Tinkering services to ensure the performance and eliminate memory leakage (adjusting JVM parameters, eliminate bottlenecks and resource-consuming functionalities, using batches to eliminate memory overflow errors caused by overeager data fetching operations, etc.).
- Participating in code reviewing and supporting other more junior members.
- Technology stack: **Java 17, Microservices, AWS & SDK** (S3, SQS/SNS, CloudWatch), **Spring Boot, JUnit, Mockito, Python** (SQLAlchemy, FastAPI, Django), **MySQL/MariaDB, PostgreSQL, Docker, Sentry.IO, GrowthBook, GitHub Action.**

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#### *Java Backend Developer | TTC Solutions, JSC. | Feb 2022 – May. 2023*

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➤ MB Bank | Feb. 2022 – May. 2023 | Size: 20

- Role: **Java Backend Developer**
- Developing and maintaining Java-based applications and services (for banking systems).
- Supporting migration from old systems into new ones.
- Optimizing SQL queries and making necessary changes to databases to ensure the smoothness and the stability of querying operations (reduced the memory, and execution time from 6 seconds to 0.5 seconds)
- Staying updated with the latest Java features and best practices.
- Creating, improving and maintaining code base, served as templates for Spring-based services.
- Writing unit tests, ensuring code coverage and minimize the likeliness of edge case bugs.
- Working in a team to create and maintain robust, scalable and maintainable backend applications based on Spring Framework.
- Participating in code reviewing and supporting other more junior members.

- Technology stack: **Java 11, Microservices, Spring Boot, ElasticSearch, PL/SQL Oracle Database, Redis, JUnit, Mockito.**

### *Java Backend Developer | FPT Software, Ltd. | Aug. 2019 – Feb. 2022*

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- Viettel Digital Service | Apr. 2020 – Feb. 2022 | Size: 10-25
- Role: **Java Backend Developer**
- Developing and maintaining Java-based applications and services for fintech domain.
- Working in a team to create and maintain robust, scalable and maintainable backend applications based on Spring Framework and others legacy systems.
- Technology stack: **Java 8, Java 11, Spring Boot, Hibernate, MariaDB, PL/SQL Oracle Database, Kafka, Redis, MinIO, MongoDB.**
- Quodient | Dec. 2019 – Apr. 2020 | Size: 10-50
- Role: **Java Backend Developer**
- Developing and maintaining Java-based applications and services for logistic domain.
- Writing unit tests, ensuring code coverage and minimize the likeliness of edge case bugs.
- Working in a team to create and maintain robust, scalable and maintainable backend applications based on Spring Framework.
- Technology stack: **Java 8, Spring Boot, Docker, RabbitMQ, SOAP, JUnit, Mockito.**
- FSOF Academy | Aug. 2019 – Dec. 2019 | On-job training
- Role: **Java Developer**
- Learning and mastering the Java programming language and its core concepts.
- On-job training
- Technology stack: **Java 8, Java EE, Spring Boot, SVN.**

## **Side Projects & Activities**

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- Spring Base (containing everything had learned so far, using Spring Boot 3)
- A simple hobby blog (<https://vulinhjava.io.vn/>) written in React/Docusarus.
- A simple program to add hardcoded subtitles into a video using FFMPEG (written in C#)
- Contributing to GrowthBook Java SDK
- A TikTok channel aimed to showcasing and giving tips and tricks for Java development

## Education

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INet-NIIT Academy | Jan. 2012 – Jul. 2014

## Languages

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- **Vietnamese** (native)
- **English** (proficient)

## Certificates & Achievements

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- Oracle Certified Associate, Java SE 8 Programmer (issued on 2021-07-31)
  - [https://www.credly.com/badges/e3e232b7-8c2c-490e-b63d-e10a42ba248d/public\\_url](https://www.credly.com/badges/e3e232b7-8c2c-490e-b63d-e10a42ba248d/public_url)