VU LINH, NGUYEN (MR.)

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Profile

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

Programming languages

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

Frameworks & Libraries

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

Microservices, **Monolith**

Methodologies

Waterfall, **Kanban**, **Agile/Scrum**

Relational DBMS(s)

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

NoSQL

MongoDB, **ElasticSearch**

Tools & Others

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

Simpleton, **Factory**, **Template**, **Decorator**, **Builder**, **IoC**

Working Experience

Java Backend Developer | MSB | Feb. 2025 - present

➢ 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 minimalize 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

➢ 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 minimalize 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**.

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

- ➢ 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 minimalize 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

> ➢ 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 minimalize 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**.

> ➢ FSOFT 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

- Spring Base (containing everything had learned so far, using Spring Boot 3)
- QR Code Generator (using simple library to generate QR Code)
- 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

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

Languages

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

Certificates & Achievements

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