Tuan, Vu Anh

Software Engineer | Backend Developer | Java developer

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Summary

— Experienced backend developer skilled in Java, Node.js, and Python, delivering efficient, high-quality solutions tailored to client and end-user needs across diverse domains and tech stacks.

— Self-motivated, adaptable, and collaborative with strong problem-solving, communication skills, and a passion for continuous learning and delivering exceptional results on time and within budget.

Experience

🏢 FPT Software (2024 - Present)

Team lead — IExams - Singapore Ministry of education   May 2024 - Present

Develope, enhance, maintain features throughout the entire systems of Singapore Ministry of education.

Responsibilities:

- Lead a team with 4 backend members, guide team member, review and report performance to Project manager.
- Develope, enhance, maintain multiple Back-end services in microservices system using Spring Boot, Spring Batch, Angular, Kafka, MsSQL, AWS, Jenkins,....
- Collaborate closely with in-house Business Analysts to clarify Service Requests (SRs) and Change Requests (CRs), using Jira and Agile principles to manage tasks through each development stage.
- Monitor infrastructure of development, staging environment include CloudWatch, Jenkins,... on AWS.

🏢 VMO Holdings (2022 - May 2024)

Senior Software engineer — Indonesia Ringkas housing loan   Sep 2023 - May 2024

Developed, enhanced, maintained features throughout the entire backend of v1 of CRM housing loan system.

Responsibilities:

- Develope, enhance, maintain multiple Back-end services in microservices system using Spring WebFlux, Spring Boot, OpenAPI, Kafka, R2DBC, PostgreSQL, Key-cloak involve to some Front-end tasks using React.js.
- Work closely with in-house teams for clearing PRD/URD, use Notion with Agile principles to manage tasks in stages.
- Monitor infrastructure of development, sandbox, production environment include Kubernetes, Rancher, ELK,... on AWS EC2.
- Control full flow of CI/CD on deploying from develop environment to product environment using Gitlab CI with Gitlab flow.

Senior Software engineer — Hongkong P2C   Jul 2022 - Aug 2023

Developed, enhanced, maintained multiple sub-system projects for PCCW (Hong Kong) client as an outsourced Java developer.

Responsibilities:

- Actively communicated with the in-house development team to clear project requirements and design specifications, as well as to catch up on tasks during daily stand-up meetings.
- Developed new Rest APIs and converted SOAP services to Rest API using Java 6 and related technologies like Spring, Struts 2, JSP and utilized SQL Server for database management.
- Mentored 2 team members, guided how to work with client, workflow (coding and GitFlow), reviewed document and source code, estimated and divided project tasks among team members.

🏢 Enterprise Nao (2018 - 2022)

Team lead — Vietinbank E-Fast business customers banking service   Jul 2021 - Jun 2022

Rebuilt Vietinbank's business customer banking service into microservices as an outsourced Java developer.

Responsibilities:

- Led a team with 6 backend members, mentored team members to review each other, resolve conflict.
- Collaborated with the in-house development team to understand project requirements and design specifications.
- Built infrastructure for development and UAT environment include Kubernetes, Rancher, ELK, Prometheus,... according to Vietinbank's running system documents.
- Developed microservices for the banking service using Java 11 and related technologies, such as Spring Boot 2, Hibernate, Jasper Report, Oracle DB (with PL/SQL).
- The developed product has won the Golden Star (Sao Khue) Award.

Team lead — Vietinbank E-Connect   Jun 2021 - Mar 2022

Worked as an outsourced Java developer and built a Vietinbank system which supported connections from other systems like Misa ERP, Grab, etc to core banking.

Responsibilities:

- Led a team with 3 backend members, reviewed code of team members, estimated project tasks and effectively divided them among team members.
- Collaborated with the in-house development team to understand project requirements and design specifications.
- Built infrastructure for development and UAT environment include Kubernetes, Rancher, ELK, Prometheus,... according to Vietinbank's running system documents.
- Developed Rest API services using Java 11 and related technologies, such as Spring Boot 8, Jasper Report, Hibernate, Oracle DB.

Team lead — National population database   Mar 2020 - Jul 2021

Designed and built the National Population Database project under the Ministry of Public Security as an outsourcing developer.

Responsibilities:

- Led a team with 3 members, developed integration services using Java and related technologies, such as Java, OSB, WebLogic, Oracle DB.
- Worked closely with the in-house teams (PO, PM, SA, DEV) to grasp the key needs and technical details of the product.
- Built development environment infrastructure on-premise: CentOS 7, Oracle DB, WebLogic clustering, CD manually using Bash/Shell and both Batch.
- Attended to develop Backend services in the system for managing population data using Spring Boot, Oracle DB.
- Supported directly connection from LGSP (Local Government Service Platform) and NGSP (National Government Service Platform) to the developed services.

Software engineer — ATM transactions fraud detection   Aug 2019 - Mar 2020

Designed and built real-time fraud detection system for ATM transactions, resulting in a significant reduction in fraudulent activity.

Responsibilities:

- Implemented ML algorithms and tools such as Tibco Statica, Tibco Datascience, Pandas, Sk-learn and Tree-based algorithm, etc libraries using Python to load data from Oracle DB for cleansing, enrichment data and train model.
- Deployed trained model with the ~29% true positive (actual fraudulent activity) and ~25% false negative (actual non-fraudulent notify) result using Spring boot, Kafka with two main streams, one for training cycle, one for detection.

Software engineer — In-house device management system   Nov 2018 - Aug 2019

Collaborated with a startup to build an IoT application for managing the status of various in-house devices (such as those in buildings, malls and stores).

Responsibilities:

- Experience in customization (both using built-in and raw source code) and configuration of Thingsboard CE (Community Edition) features and deploy with Docker.
- Developed simulator tools using Java and MQTT for pushing real-time data continuously to the Thingsboard.
- Used Git as source control system and Trello as task management.

Software engineer — Scraping user data   Jan 2018 - Oct 2018

Built the Java-based company product that scrapes types of data from various sources, including social media platforms, websites, and search engines.

Responsibilities:

- Implemented using scraping tools and libraries such as Selenium with headless Chrome, Facebook GraphAPI, etc to collect data from real-estate and car selling websites, as well as Facebook groups, streaming large amount of data by Apache Storm and store on Cassandra database.
- Applied techniques like IP rotation, human interaction simulation, discovery data allowed in robot.txt when scrap the data to avoid blocking by website.
- Used SVN as source control system and Trello as task management.

Skills

Java: Advanced	Spring: Advanced	OracleDB: Advanced
Docker: Advanced	K8s: Advanced	REST & SOAP: Advanced
Git: Advanced	Kafka: Mid-level	OSB/ESB: Mid-level
Python: Mid-level	JS: Mid-level	WebLogic: Mid-level
AI/ML: Mid-level	Data processing: Mid-level	SVN: Mid-level

Education

Sep 2015 - Jul 2018

Hanoi vocational College of Technology (Higher Diploma)

- GPA: 8.4/10 overall
- #1 score of graduation project of Information Technology department
- Teaching assistant for some subjects such as OOP, DSA, Java

Certifications

Jun 2024

SQL (Advanced) Certificate - Hackerrank

May 2024

Rapid Developer Certification (ID: 74513) - Mendix

Sep 2020

Problem Solving (Basic) Certificate - Hackerrank