Mukhlis Purnomo Aji

Software Engineer

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PROFFESIONAL SUMMARY

Software Engineer with 5+ years of experience specializing in **backend development** using **Java**, **Apache Camel**, and **Spring Boot**. Proven expertise in designing, developing, and deploying **scalable APIs** and **cloud solutions** that drive performance improvements and enhance business operations. Skilled in integrating systems, optimizing backend processes, and managing cloud deployments to ensure efficiency and reliability.

TECHNICAL QUALIFICATION

Programming Language	Java, Python, JavaScript (ES6+), TypeScript, SQL
Backend	Spring Boot, Apache Camel, Node.js, Talend Studio
Frontend	React, Vite, Material-UI, Tailwind CSS
Databases & Data Warehouse	MySQL, MongoDB, Oracle DB, PostgreSQL, Snowflake, Firebase
Platform / Operating System	Linux (Ubuntu, CentOS), Windows, macOS
Cloud & DevOps	Docker, Kubernetes, JFrog Artifactory, AWS, Google Cloud Platform (GCP)
API & Integration	Talend Studio (Java API Development), Apache Camel, Apigee
Testing & Debugging	JUnit, SoapUI, Postman
Version Control	GitHub, Bitbucket
IDEs	IntelliJ IDEA, Visual Studio Code

WORK EXPERIENCE

Software Engineer
iZeno | Dec 2023 – Present

Key Responsibilities:
- Developed and maintained backend services using **Java, Spring Boot, Apache Camel, and Talend Studio**.
- Designed and integrated APIs with **Apigee** as an API gateway.
- Led frontend development using **React, Vite, Material-UI, Tailwind CSS, and Mapbox** to improve user experience.
- Deployed applications on **Google Cloud Platform (GCP) and AWS**, ensuring high availability and scalability.
- Managed and optimized databases (**Snowflake, PostgreSQL**) to enhance performance.
- Collaborated with cross-functional teams to ensure seamless system integration.

Technical Consultant
Mitra Integrasi Informatika | Nov 2018 – Nov 2023

Key Responsibilities:
- Developed and maintained **Java-based applications** for enterprise clients.
- Designed and implemented **middleware solutions** using **Apache Camel** for system integration.
- Worked with **IT Service Management (ITSM) tools**, including **BMC Remedy** and **Jira Service Management**.
- Managed **Software Asset Management (SAM) & Cloud Management Platform (CMP)** using **Snow Commander and Snow Inventory**.
- Developed and optimized **databases** using **MySQL, Oracle DB, and MongoDB**.
- Implemented an ITSM solution, supporting for over 70.000 transactions monthly and improving incident response time by **25%**.
- Collaborated with cross-functional teams to deliver scalable and efficient solutions.

EDUCATION

2015 – 2018 **Universitas Amikom Yogyakarta, Indonesia**
Bachelor in Computer Science, graduated with GPA 3.49 out of 4.00

WORK ASSIGNMENTS & PROJECT

Aug 2024 – March 2025

CBRE, Singapore - Developed a **web-based property management application** for **CBRE Singapore**, enabling real-time management of property listings, lease contracts, and broker and client interactions using a modern tech stack.

Responsibility:
- **Led the UI team** in developing the frontend of the application using **React** and **Vite**, creating a **user-friendly interface** for managing property data.
- **Integrated** the frontend and backend systems for a seamless flow of data, reducing data retrieval time by 30% and ensuring optimal performance for 300+ active users including brokers and client**.**
- **Collaborated with the backend team** in the development of RESTful APIs using Java Spring Boot, assisting in bug fixes and ensuring seamless integration between frontend and backend systems.
- Collaborated with the UI/UX team to implement a visually appealing and functional design tailored to the client's needs.
- Implemented **authentication** and **authorization** mechanisms for secure user access using Okta SSO.
- Performed unit testing and deployed the application, continuously improving performance and scalability.
- **Deployed the application on AWS**, ensuring scalability and high availability.
- **Used Rafay** for managing Kubernetes clusters, improving **deployment efficiency** and simplifying **container orchestration**.

Tech Stack:
Java, Spring Boot, Spring Security**,** React**,** Vite**,** Mapbox, REST APIs**,** Snowflake**,** HTML/CSS (tailwind), JavaScript, AWS, Okta SSO

Dec 2023 – Jan 2025

Bank Rakyat Malaysia - Developed and implemented an API system for **Bank Rakyat Malaysia (BKRM)**, enabling integration between their internal systems and external services for seamless data exchange and transaction processing

Responsibility:
- Designed and developed **API solutions** using **Talend Studio**, leveraging its **component-based architecture**.
- Utilized **Apache Camel** for **routing** and **mediation** in handling diverse data formats and communication protocols.
- Worked closely with stakeholders to define API specifications, ensuring that the solution met the functional and security requirements of the bank.
- Integrated the API system with internal banking services, enabling real-time data synchronization.
- Tested, deployed, maintained the API and resolving bugs and issues.
- Created **technical documentation** for the API design, implementation, and troubleshooting guides.

Tech Stack:
Java, Spring Boot, Talend Studio, Apache Camel, REST APIs, GCP, Apigee

Nov 2020 – Nov 2023

Pertamina Persero, Indonesia - Implementation MyIT, SmartIT, Service Broker, and Java Application Spring Boot for SSC Finance, Digital Travel Management, and SSC IT

Responsibility:
- Assessment and data gathering
- Created Solution Design and implementing projects base on Solution Design
- Developing Java Application and Web Service for data integration and payment confirmation. Java application is also used to print pdf as travel summary settlement, travel summary request, payment transaction
- Developing Java Application for processing SLA measurement and reports
- Tested, deployed, maintained the API and resolving bugs and issues.
- Created Technical Document

Tech Stack:
MyIT and SmartIT 18.05, SBE 18.05, Java, Spring Boot, Docker

TRAINING AND COURSES

- Partner CMP Platform Admin Certification (2021)
- Partner SAM Technical Consultant Certification (2021)
- Docker for Java Developers – Linkedin Learning (2021)
- Advanced Java Programming – Linkedin Learning (2021)
- Python Fundamental for Data Science – DQLab (2020)
- Data Wrangling Python – DQLab (2020)
- Bootcamp Java Programmer – PT Mitra Integrasi Informatika (2018)
- Big Data and NoSql (Mongo Db) – Solusi 247 Jakarta (2018)