ANGRIAWAN YEVANCE MAILOA

Backend Engineer

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SUMMARY

Backend Engineer with 4+ years of experience building Java and Spring Boot applications for dealer operations, internal business systems, and AI-assisted software development. Work includes designing backend services, managing user access, optimizing SQL queries, and migrating data.

WORK EXPERIENCE

Backend Engineer | *PT. Tiga Daya Digital (EKSAD Technology), Jakarta* | **Sep 2024 - Present**

Software Factory (AI Chatbot Platform)

- Designed and developed backend services for an AI-assisted software development platform. Built project access control and agent conversation management in the Portal Service, and integrated GitLab through MCP.
- Implemented Hermes sessions and artifact context handling in the Agent Adapter. Built artifact storage with retries and data retention, plus a Notification Service for notifications and magic-link emails.
- Defined service boundaries, data ownership, and fault handling. Documented architecture decisions and service responsibilities in ADRs and CONTEXT.md.

User Management Platform

- Built role hierarchies in a Keycloak-integrated user management service for multi-tenant access control. Set permission visibility according to the access level of the user making the request.
- Implemented authentication and multi-tenant provisioning. Used MapStruct to map display names across services and wrote tests for permission guards and data retention.

Nagamas One System (DMS)

- Developed internal document workflows. Reviewed API designs against business requirements and identified mismatches before implementation.

Planned work breakdowns, timelines, and budgets for a small engineering team.

Junior Application Developer | *PT. Mayora Indah Tbk, Jakarta* | **Aug 2022 - Aug 2024**

- Optimized Oracle SQL queries and views by removing redundant joins and function calls.
- Built a Java/Spring Boot interface to manage hundreds of packaging materials for **100+ internal users**.
- Maintained and extended a company-wide HR system using jQuery across 3 departments/locations.

Solutions Engineer Intern | *PT. Bollore Logistics Indonesia, Tangerang* | **Feb 2021 - Jul 2021**

- Merged 2 legacy Microsoft Access databases into PostgreSQL using ETL. Automated the migration with Batch Script and Visual Basic, cutting manual data-transfer time from **3 hours to 1 hour** per cycle.

PROJECTS

Functional Payroll System Dashboard | *PHP, MySQL*
Bachelor's thesis payroll dashboard; published at doi.org/10.24912/ijaste.v1.i2.403-410.

COVID-19 Dashboard | *Power BI, Power Query* | Interactive trend visualization for a university case study.

Tetris Game | *JavaFX, Java Swing* | Academic capstone with rotation, collision detection, and scoring.

EDUCATION

Bachelor's Degree, Information Systems | 2018 - 2022
Tarumanagara University, Jakarta, Indonesia | *GPA: 3.64*

SKILLS

Languages & Frameworks: Java, Spring Boot, PHP, SQL, JavaScript (jQuery), KendoUI, JavaFX, Java Swing

Databases: PostgreSQL, MySQL, Oracle SQL, Microsoft Access

Tools & Practices: Git, REST APIs, Keycloak, MapStruct, MCP, Power BI, Power Query, ETL, Visual Basic, Batch Script, WBS, Timeline & Budget Planning