

MUHAMMAD SALEHUDDIN

Backend Software Engineer • Java • Spring Boot • Microservices • SQL

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PROFILE

Backend engineer with production experience building Java Spring Boot microservices - RESTful APIs across distributed services, JPA/Hibernate persistence layers, Redis caching, and version-controlled schema migrations with Liquibase - on a large-scale public sector data platform. Contributed to an enterprise banking programme, writing SQL across Oracle and Hive for backend data analysis and ETL validation, and collaborating with developers on data flows, system integrations and backend logic. Seeking a backend engineering role in payments, core banking or high-throughput API platforms.

PROFESSIONAL EXPERIENCE

Software Engineer — Capgemini Services Malaysia Sdn Bhd

Aug 2025 - Sep 2026

Kuala Lumpur, Malaysia • Enterprise Banking

- Develop and execute SQL queries across Oracle and Hive for backend data analysis — validating transformations and identifying data discrepancies.
- Perform ETL and EDA data validation using QuerySurge across Oracle and Hive environments.
- Collaborate with developers to analyse data flows, system integrations and backend logic.
- Support testing of enterprise banking systems, including internal staff platforms and customer-facing applications.

Java Software Engineer — Silverlake Innovation Partners Sdn Bhd

Feb 2025 – Jul 2025

Kuala Lumpur, Malaysia

- Developed backend services in Java and Spring Boot within a microservices architecture, on a large-scale public sector data platform being re-platformed from its legacy version onto a new architecture.
- Designed and implemented RESTful APIs for service-to-service communication across distributed systems.
- Implemented business logic following a layered architecture (Controller → Service → DAO).
- Built persistence layers using JPA and Hibernate to manage relational database entities and relationships.
- Used Redis caching to improve application performance and reduce database load.
- Managed database schema changes using Liquibase to support version-controlled database migrations.
- Collaborated with cross-functional teams to develop and maintain backend services.

Software Engineer Intern — Silverlake Innovation Partners Sdn Bhd

Aug 2024 – Feb 2025

Kuala Lumpur, Malaysia

- Created test data for system testing, supporting the Quality Assurance team.
- Managed UAT ticket handling in TMS Redmine — reviewing issues raised during User Acceptance Testing and assigning them to the relevant team members.
- Partnered with QA and Business Analyst teams to produce a user guide for my assigned module.

Web Developer Intern — Rizlah Enterprise

Jun 2021 – Aug 2021

Selangor, Malaysia

- Built landing pages and an internal admin portal in PHP, with server-side validation, error handling and access controls.

PROJECTS

BePro — Production Marketing Site (Vue.js)

Dec 2025 – Jan 2026

Responsive mobile-first single-page site, live in production at bepro.com.my.

GuardianWallet — Rule-Based e-Wallet for Guardian's Fund Management

Oct 2023 – Aug 2024

Final year project — automated disbursement and monitoring of guardianship funds via a rule-based decision engine over a relational data model.

RFID Attendance System

Mar 2023 – Aug 2023

IoT attendance tracker on NodeMCU ESP8266 streaming scan events to a Firebase realtime backend.

TECHNICAL SKILLS

Languages Java, SQL, JavaScript, PHP, Dart, C++

Backend Spring Boot, RESTful API design, Microservices architecture, JPA / Hibernate, Liquibase, Layered architecture

Databases & Caching Oracle, PostgreSQL, MySQL, Redis, Hive, Firebase

Web & Application Vue.js, Angular, Laravel, Flutter, HTML5, CSS, Tailwind CSS

Tools & Practice Git, Maven, Jira, Redmine, QuerySurge, Agile delivery, Code review

EDUCATION

B. Comp. Sc. (Hons.) Netcentric Computing — Universiti Teknologi MARA (UiTM), Jinan

Oct 2021 – Jan 2025

Diploma in Mechanical Engineering — Universiti Tenaga Nasional (UNITEN), Kajang

May 2018 – Sep 2020