

Muhammad Riduan

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Expected Graduation: September 2026

Junior Full-Stack Engineer with hands-on experience developing enterprise HR systems and cloud-based applications using React, Node.js, and Google Cloud Platform. Skilled in building RESTful APIs, authentication systems, data-driven dashboards, and containerized deployments. Experienced working in cross-functional teams and production-like environments. Seeking a Backend or Full-Stack Developer role to contribute to scalable and reliable software systems.

TECHNICAL SKILLS

Programming: JavaScript (Advanced), Python (Intermediate)

Frontend: React.js, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, Hapi.js, REST API, JWT Auth

Cloud: GCP (Cloud Run, Firestore), Docker, CI/CD

Database: MongoDB, MySQL, MariaDB

Tools: Git, GitHub, Postman, Figma

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer Intern

June 2025 – September 2025

PT Jhonlin Group

- Developed Employee Self-Service (ESS) portal integrated with enterprise Human Capital System (HCS).
- Built intermediary backend API layer for secure communication between portal and core HR system.
- Implemented JWT-based authentication and role-based access control.
- Performed HR data validation and manpower planning verification to ensure data accuracy and consistency.

SELECTED PROJECTS

Logiro – Route Optimization Mobile Application

Cloud Computing Engineer | Bangkit Academy 2024

- Designed backend architecture using Google Cloud Platform.
- Implemented Cloud Run, Firestore, and Cloud Monitoring for real-time API services.
- Integrated Reinforcement Learning model to solve Capacitated Vehicle Routing Problem (CVRP).
- Collaborated with Machine Learning and Mobile teams for API validation and deployment.

Jhonlin HRIS – Employee Portal (Internal System)

Full-Stack Developer

- Developed web-based Employee Self-Service platform integrated with enterprise HR system.
- Built secure RESTful APIs using Node.js and Express.
- Implemented authentication and role-based authorization.
- Delivered features including attendance, leave data, payroll view, and internal announcements.

Cascading Location Service API

Full-Stack Developer

- Built hierarchical location data API using Node.js, Express, and MariaDB.
- Designed database schema and structured REST endpoints.
- Integrated frontend using React and Tailwind CSS.
- Containerized application using Docker and applied performance optimization techniques.

HydroSmart – Smart Hydroponic Assistant Platform

Full-Stack Developer | Coding Camp DBS Foundation 2025

- Developed web application for plant recommendations, care reminders, and growth monitoring.
- Built RESTful API using Hapi.js for plant, user, and reminder management.
- Integrated machine learning recommendation outputs into backend services.
- Tested endpoints using Postman to ensure stability and reliability.

EDUCATION

Bachelor of Information Technology

Universitas Sari Mulia

GPA: **3.72 / 4.00**

August 2022 – Present

CERTIFICATIONS & TRAINING

Bangkit Academy 2024 – Cloud Computing Cohort

2024

- Google Cloud Fundamentals
- Compute Engine, Cloud Run
- Firebase Firestore
- Cloud Monitoring
- CI/CD & Kubernetes Fundamentals

Coding Camp DBS Foundation – Full-Stack Development

2025

- HTML, CSS, JavaScript
- React, Node.js, Express
- MongoDB

Dicoding Certifications:

- Front-End Web Development Fundamentals
- Google Cloud Engineer Learning Path
- Intermediate Web Development

Organization

Coordinator of Communication & Information Division

2024–2025

BEM Fakultas Saintek

Member of PSDMP Division

2023–2024

HMJ Teknologi Informasi

SOFT SKILLS

- Problem Solving • Teamwork • Communication • Adaptability • Analytical Thinking