

RAHMAH AISYAH

Backend Developer Intern

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SUMMARY

Final-year Software Engineering student at Telkom University with hands-on backend experience building REST APIs using TypeScript, Node.js, NestJS/Express, PostgreSQL, Docker, and Azure. Experienced in JWT authentication, RBAC, database schema design, API testing, and CI/CD workflows. Seeking a Backend Engineer Internship focused on building reliable, testable, production-ready systems.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, Java, C#

Backend: Node.js, NestJS, Express.js, REST API Design, JWT, RBAC

Database: PostgreSQL, MySQL, Drizzle ORM, TypeORM

Testing: Jest, Postman, SonarQube, Katalon Studio, Apache JMeter

DevOps: Docker, Docker Compose, Kubernetes, kubectl, ArgoCD, GitHub Actions, Azure VM, Linux/SSH

Additional: Flutter/Dart, Git, Agile/Scrum, STLC, Clean Code

PROJECTS

IDAMAN TSL — Wildlife & Plant Data Management System

Feb – Jun 2026

Backend Engineer | *TypeScript · Express.js · PostgreSQL · Drizzle ORM · Docker · Azure*

BBKSDA West Java

- Designed and built 10+ REST API endpoints for auth, user management, wildlife reference data, permit submissions, verification logs, and Azure Blob document management using Express.js.
- Implemented JWT authentication + 3-role RBAC with middleware-based access control, including region-based access scoping for user role assignments.
- Designed 8-table PostgreSQL relational schema and implemented Drizzle ORM queries including relations, soft-delete, and pending-changes approval workflow.
- Prepared Postman API documentation for 10+ endpoints to support frontend integration
- Built Factory Pattern in module.factory.ts to generate identical CRUD controllers for 3 modules, reducing 300 lines of duplicate code.
- Integrated Azure Blob Storage for permit document upload/auto-delete, and Nodemailer for password recovery OTP.
- Containerized services with Docker and deployed to Azure Ubuntu VM.
- Refactored code based on SonarQube findings to reduce cognitive complexity.
- Achieved 92.5% coverage on new code via Jest + Supertest integration tests.

LogiLearn — E-Learning Platform

Feb – Jun 2026

DevOps Engineer | *Kubernetes · Docker · ArgoCD · GitHub Actions · PostgreSQL*

Group Academic Project

- Responsible for Kubernetes manifests (Deployment, Service, ConfigMap, Secret, PV) for frontend, backend, and PostgreSQL, structured across 3 namespaces.
- Integrated ArgoCD for Git-based automated CD and set up GitHub Actions CI pipeline for automated build and push.

Qalbuna — Islamic Mental Health Mobile App

2025

Mobile Developer & QA Engineer | *Flutter · Dart · Katalon Studio · Selenium*

Group Academic Project

- Integrated RESTful APIs across core Flutter feature modules and executed API test suites using Katalon Studio and Postman.

PROFESSIONAL EXPERIENCE

XLSMART — API & Microservices

Jun 2026 – Sept 2026

QA Automation Intern | *Katalon Studio · Postman · GitLab · Jira · Confluence*

- Analyzed API services and SIT workflows supporting the Wholesale web platform integration of XL, AXIS, and Smartfren, designed and documented test cases for Eload Mediation API endpoints.
- Wrote 137 automated API test scripts validating response codes, pagination, and business rules using Katalon Studio; managed version control via GitLab and documented evidence in Jira.

SDM FIF — HR Information System

May – Jul 2026

QA Engineer Intern | *Playwright · Postman · Apache JMeter · Laravel*

- Designed test cases for 8+ HR modules using EP, BVA, and DT; developed E2E automated scripts with Playwright.
- Identified and documented 12 software defects; validated RBAC authorization, business calculations, and performance under load with JMeter.

Teaching Assistant & Lab Assistant

Feb 2025 – Jun 2026

Telkom University

- Mentored 160+ students across Software Construction (C#/.NET), Database (SQL), OOP (Java), Algorithms, HCI, and Discrete Mathematics.
- Led independent practicum sessions covering unit testing, refactoring, design patterns, version control, and SQL fundamentals.

Humic Engineering

Apr – Jun 2025

Mobile Developer Intern

- Built a Flutter health app integrating RESTful APIs; implemented navigation architecture and Provider state management across all sprint milestones.

Mobile Innovation Laboratory

Nov 2024 – Jul 2025

Flutter Mobile Programmer Intern

- Built Foodie Fleet, a food delivery app in Flutter/Dart covering UI, navigation, state management, and API integration. Adopted as reference in the official StudyGroup-MP-Motionlab curriculum.
- Won 3rd Place at MotionHack (internship graduation hackathon), delivering a working prototype under 24 hours competing against 10+ teams.

EDUCATION

Telkom University | S1 Software Engineering | GPA: 3.83/4.00

Sep 2023 – Present

Academic Transcript

Focus: Backend Engineering, API Development, Database Systems, Automated Testing

CERTIFICATIONS & AWARDS

- 1st Place Innovation Division — ADIKARA, Faculty of Informatics Telkom University (Jan 2025)
- 3rd Place MotionHack Hackathon — Motion Laboratory, Telkom University (2025)
- Finalist — Belmawa MTQMN XVIII 2025, National-level Al-Qur'an Design Application competition
- English Proficiency B2 — Telkom University Language Center (Jun 2024)