

RAHMAH AISYAH

Backend Engineer

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SUMMARY

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 · PostgreSQL · Drizzle ORM · Docker · Azure*

BBKSDA West Java

- Built REST API modules for authentication, user management, wildlife reference data, permit submissions, verification logs, and document management for a government portal (BBKSDA Jawa Barat) that digitizes previously manual permit record-keeping workflows.
- Designed PostgreSQL relational schemas and implemented Drizzle ORM queries for 6+ business modules with role-based access rules (Admin, Verifikator).
- Implemented JWT authentication, RBAC, soft-delete audit trail, password recovery via Gmail SMTP, and Azure Blob Storage document upload.
- Containerized backend and PostgreSQL services with Docker Compose and deployed the system to an Azure Ubuntu VM.
- Wrote Jest unit tests for critical service logic and refactored code based on SonarQube findings to reduce cognitive complexity across the codebase.

LogiLearn — E-Learning Platform

Feb – Jun 2026

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

Group Academic Project

- Created Kubernetes manifests for frontend, backend, and PostgreSQL services, including Deployment, Service, ConfigMap, Secret, and PersistentVolume resources.
- Structured application, monitoring, and GitOps workloads into separate Kubernetes namespaces: myapp, monitoring, and argocd.
- Deployed the application to the cluster using kubectl apply and integrated ArgoCD for Git-based automated synchronization.

Qalbuna — Islamic Mental Health Mobile App

2025

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

Group Academic Project

- Developed core Flutter/Dart feature modules while simultaneously serving as QA Engineer within the same sprint cycles.
- Designed and executed black-box, automated UI, and API test suites using Katalon Studio and Postman, producing structured bug reports and test case documentation.
- Managed dual dev and QA responsibilities concurrently, ensuring defects were triaged and resolved before each release cycle.

PROFESSIONAL EXPERIENCE

SDM FIF — HR Information System

May – Jul 2026

QA Engineer | *Black-Box Testing · Postman · Apache JMeter · Katalon Studio*

Internal Internship

- Executed multi-type QA for an internal HR web application: functional UI testing (black-box, equivalence partitioning), API testing via Postman, and load testing with Apache JMeter.
- Produced formal test case documentation, defect reports, and a QA summary report covering test coverage and performance benchmarks under simulated concurrent user loads.

Teaching Assistant & Lab Assistant

Feb 2025 – Jun 2026

Telkom University

- Assisted and mentored students as a Teaching Assistant across Software Construction, Human-Computer Interaction, and Discrete Mathematics courses, facilitating in-class responsi sessions and student consultations.
- Led independent practicum sessions as Lab Assistant for Software Construction (C#/.NET), Database (SQL), OOP Basics and Advanced (Java), and Programming Algorithms (Java), covering unit testing, refactoring, design patterns, version control and SQL fundamentals.
- Managed 7 concurrent teaching responsibilities during the Feb–Jun 2026 semester, balancing teaching assistant and lab assistant roles across multiple software engineering courses.

Humic Engineering

Apr – Jun 2025

Mobile Developer Intern

- Built a Flutter/Dart mobile health application on Cleft Lip patient information, integrating RESTful APIs for dynamic content and patient data management.
- Implemented navigation architecture and Provider-based state management, delivering all sprint milestones across the 3-month internship.
- Participated in agile sprint planning, code review, and iterative delivery cycles within a cross-functional team of engineers and designers.

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: 3.84/4.00

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 AI-Qur'an Design Application competition
- English Proficiency B2 — Telkom University Language Center (Jun 2024)