

MUHAMMAD FIKRI

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I am a graduating Informatic Engineering student from State Islamic University of Sultan Syarif Kasim Riau. I am interested in backend engineering technology and have made several backend projects with NodeJs and Java Spring Boot. Recently I made an E-stock application that processes products from my parent shop to practice my Java and Spring Boot learning progress. I am fast learning, problem solver, responsible, using structural thinking, and having a strong growth mindset.

EDUCATION

State Islamic University of Sultan Syarif Kasim Riau Jul. 2020 - Des. 2024

Bachelor of Informatics Engineering

- Cumulative GPA is 3.40.
- Thesis: Implementing Role-Based Access Control (RBAC) in a Microservices Architecture Using Keycloak (Case Study: The iRaise Academic System).

WORKING EXPERIENCE

Incubator Faculty of Science and Technology UIN Suska Jan. 2023 - Mar. 2023

Software Engineering Intern

- Building A Qur'an Backend API using ExpressJS to serve Quranic data such as surahs, ayahs, translations, and interpretations.
- Contribute in designing and development of a relational database schema using MySQL to save Quran data efficiently.
- Github project: <https://github.com/abdullahfikri/alquran-api>.

PROFESSIONAL TRAINING & CERTIFICATION

Bangkit Academy 2024 Feb. 2024 - Jul. 2024

Cloud Computing Learning Path

- Complete the program of over 900 hours focused on learning Google Cloud Platform, architecture cloud, and DevOps.
- Learning soft skills and technical skills from professional mentors.
- Contribute to the Capstone Project by building API Endpoints for Android clients and deploying the Apps on Cloud Run, and using Cloud SQL as Database.

SKILLS

- **Technical:** Javascript, Java, Spring Boot, Vue Js, Node Js, MySQL, MongoDB, Redis, Git, Docker, Jenkins, Google Cloud
- **Soft Skill:** Problem Solving, Communication, Teamwork, Structural Thinking

- **Languages:** Indonesian (Native), English (Intermediate)
- **Interest:** Computer, Linux, Backend Engineering, OOP, Data Structures

PROJECT EXPERIENCES

Widuri E-Stock

Mei. 2025 - Present

Backend Engineering

- Self-initiated backend project inspired by process products in and out at my parent shop using Java Spring Boot.
- Develop API Endpoint for CRUD (Create, Read, Update, Delete) operations on product data.
- Designing a scalable relational Database schema to efficiently store product, category, incoming product, and users information.
- Implementing unit and integration testing to make sure all functions are working properly.
- Deploying the backend application inside the container using docker and behind reverse proxy using nginx.
- Documenting the API Endpoint using OpenAPI specification standard.

Iraise Microservice (University Final Project)

Jul. 2024 - Des. 2024

Backend Engineering

- Focusing on designing Access Control based on Role and implemented on microservice architecture with case study is website Iraise UIN Suska.
- Using Keycloak as Identity and Access Management (IAM) to centralize the authentication and authorization process.
- Containerizing the application using docker to easily run in the docker environment.
- Implementing end-to-end testing using Postman API automation testing feature.

Skin Enthusiasm App (Capstone Project Bangkit)

Jun. 2024 - Jul. 2024

Backend Engineering

- A mobile application that provides recommendations of skincare by analyzing facial user image using Machine Learning model.
- Contribute to designing relation database schema for efficiently storing user data and analyzing results.
- Make a backend API that bridges between Machine Learning Model and Mobile App request to analyze facial user image.
- Make an authentication process to protect users' privacy and data.
- Create final documentation of backend API in file [README.md](#) on github.

Mobile Voting App for Election

May. 2022 - Jun. 2022

Project Manager & Backend Engineering

- Organize the team meeting and delegate tasks to team members according to their individual skills.

- Develop the mobile App to process user input and connect to the backend API for processing and saving user input.
- Develop the backend API to handle requests from the Android application for processing and saving user and election data.

ORGANIZATION EXPERIENCES

Riau DevOps (RDO)

Hacker Roles - Team proposing and executing a monthly webinar program about technology and DevOps.

JS Squad

Create seminars and trainings that discuss the JavaScript language.

CERTIFICATES & COURSES

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| • Belajar Dasar Pemrograman JavaScript by Dicoding | May 2024 - May 2027 |
| • Pemrograman Java : Pemula sampai Mahir by Udemy | Jun 2025 - Present |
| • Menjadi Google Cloud Engineer by Dicoding | Jun. 2024 - Jun. 2027 |
| • Belajar Membuat Aplikasi Back-End untuk Pemula dengan Google Cloud by Dicoding | May 2024 - May 2027 |
| • Belajar Penerapan Machine Learning dengan Google Cloud by Dicoding | Jun. 2024 - Jun. 2027 |
| • Belajar Dasar Git dengan GitHub by Dicoding | Jun. 2024 - Jun. 2027 |