Gilang Fachrul Huda

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Portfolio | Linkedin | Github

PROFILE

Software Engineer with hands-on experience building production-grade systems, specializing in backend services, system architecture, and DevOps workflows including as CI/CD and production observability. Proven in designing scalable and resilient architectures while automating deployments to improve system reliability, release cadence, and long-term maintainability.

EDUCATION

Universitas Brawijaya

Bachelor in Informatics Engineering | CGPA: 3.74/4.00 | 2023 - expected to graduate in 2027

- BSI Scholarship Awardee for academic excellence and consistent performance
- Teaching Assistant for Advanced Programming, providing guidance to 40 students in lab sessions and supporting course material preparation.
- Collaborated on a faculty research project involving backend development and applied computing

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PROJECT

Software Development Competition   *September 2024 - Present*

- Developed and deployed multiple production-ready applications as Backend / Mobile Engineer for national-level competitions.
- Built backend services using Golang, Node.js, Python, Laravel and mobile apps using Flutter and Kotlin, focusing on scalability and clean architecture.
- Implemented AI-powered features including semantic search, computer vision–based detection, and automated quiz generation.

Client-Based Applications   *August 2024 - Present*

- Developed custom applications for individual clients and academic institutions, ranging from small-scale systems to production-grade applications.
- Delivered mobile and web applications with a focus on performance, maintainability, and client requirements.

Sobat Bimbing Application   *September 2025 - November 2025*

- Designed and developed scalable backend services using Golang to support daily goal tracking, anonymous matchmaking chat, and learning progress features.
- Built AI-powered Quran verse search using Python, enabling natural language queries with semantic matching.
- Deployed and optimized production backend systems for a mobile app published on Google Play Store.

Official Website for Desa Kuningan, Blitar, Jawa Timur   *July 2025 - August 2025*

- Developed the official website of Desa Karangrejo using Next.js, delivering a modern and responsive public information platform.
- Implemented a CRUD-based content management system to manage village news, announcements, and updates.

ACHIEVEMENT

Software Development – Hology 8.0 (4th Place)

Backend Engineer   *September 2025 - October 2025*

- Ranked 4th out of 60 teams in a national-level software development competition.
- Developed Qnectify, an AI-powered learning platform featuring automated quiz generation, gamification, and scalable backend services.

Hackathon – Raion HackJam (2nd Place)

Fullstack Developer
August 2025

- Developed a fully functional mobile application in one week,
- Developed Medivine, an AI-based mobile application for early symptom detection and private medical consultations.

Software Development – Hology 7.0 (3rd Place)

Backend Engineer
September 2024 - October 2024

- Secured 3rd Place out of 75 teams in a national software development competition.
- Developed BAGASI, a platform connecting breast milk donors and recipients through secure backend systems.

EXPERIENCE

Poros
March 2025 - December 2025

Devops Engineer

- Developed the backend system for the Poros web platform, ensuring reliability and scalability.
- Automated deployments with CI/CD pipelines to speed releases and reduce manual effort.
- Monitored system performance and optimized server configuration to enhance stability and response time.

Raion Community
February 2025 - December 2025

App Programmer

- Developed mobile applications with a focus on clean architecture and responsive UI.
- Collaborated with designers to deliver seamless and user-friendly features.
- Mentored 40+ participants in Raion Academy, providing guidance on mobile development best practices and project execution.

VOLUNTEER

Laboratory Assistant
January 2025 - July 2025

Object Oriented Programming Laboratory Assistant

- Served as an Object Oriented Programming Laboratory Assistant, guiding and supporting over 40 students enrolled in OOP courses.
- Assisted establish practical meetings, courses, and practical exercises focused on OOP concept and implementation.

COSMOS Competition
August 2025 - November 2025

Staff Public Relation

- Created and distributed promotional content across multiple platforms to increase competition visibility and participant engagement.
- Coordinated communication with participants, partners, and internal committees to ensure smooth information flow throughout the competition.

AREA OF EXPERTISE

API Development | Backend Architecture | Database Design & Management | Frontend–Backend Integration | Mobile Application Development | Authentication & Authorization | Security Hardening | Performance Optimization | Monitoring & Observability | Process Automation | CI/CD Pipelines | Containerization (Docker) | Cloud & Server Deployment | DevOps Practices