

Faldy Ikhwan Fadila

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Summary

Tech Lead with 8+ years of experience specializing in backend development, API design, and microservices architecture. Proven track record in leading technical teams, optimizing system performance, and implementing cutting-edge technologies like LLM integration. Skilled at translating complex user requirements into scalable, efficient code solutions.

Experience

Tech Lead, EngageRocket – Singapore (Remote) July 2025 – present

- Lead the Dashboard Squad, overseeing the end-to-end development of the company's core analytical reporting tools and data visualization features.
- Architect and maintain high-volume ETL pipelines, ensuring seamless data ingestion and integrity from various sources into the centralized Data Warehouse.
- Drive technical strategy for dashboard calculation engines, optimizing performance to handle complex data aggregations with minimal latency.

Senior Software Engineer, EngageRocket – Singapore (Remote) Feb 2025 – June 2025

- Engineered the backend integration leveraging Dashboard analytics, enabling users to translate data insights into trackable business actions.
- Collaborated closely with product stakeholders to define the technical roadmap for the ACT module, delivering the initial release with a lean team of two core engineers.

Senior Software Engineer, A Job Thing – Sleman, Indonesia Aug 2024 – Feb 2025

- Optimized and improved the job search engine system utilizing Elasticsearch.
- Developed a Proof of Concept (PoC) and implemented a recommender system using MLT (More Like This) queries.
- Implemented data stream tracking and monitoring for critical data infrastructure.

Principal Engineer, Lifepack.id (PT Indopasifik Teknologi Medika Indonesia) – Jakarta, Indonesia Apr 2023 – June 2024

- Designed and developed a custom API gateway, resulting in faster development cycles for the new microservice architecture.
- Led a team of 3 developers to deliver the Tetama Open API platform, resulting in a 40% increase in order volume from API within the first 6 months.
- Collaborated with the DevOps Team to optimize resource allocation, reducing cloud infrastructure costs by 40%.
- Developed a PoC for doctor assistant integration with LLM fine-tuning, reducing diagnosis time by 30% in initial trials.

Senior Backend Engineer, Lifepack.id (PT Indopasifik Teknologi Medika Indonesia) – Jakarta, Indonesia Oct 2021 – Apr 2023

- Optimized slow queries, resulting in a 50% reduction in average response time for critical API endpoints.
- Initiated and maintained API documentation, successfully onboarding 8 new partners and reducing integration-related support tickets by 30%.

Backend Engineer, Lifepack.id (PT Indopasifik Teknologi Medika Indonesia) – Jakarta, Indonesia Nov 2019 – Oct 2021

- Spearheaded the JavaScript to TypeScript migration, increasing developer productivity by an estimated 30%.
- Optimized high-traffic endpoints, improving response times from seconds to milliseconds (90% reduction) during peak loads.

Lead Backend Developer, Sakoo.id (PT Telekomunikasi Indonesia) – Bekasi, Indonesia Jan 2019 – Nov 2019

- Led a team of 4 developers to deliver the MVP of Bisnis Blanja B2B Ecommerce platform within 2 months, beating estimates by 2 weeks.
- Implemented a microservice architecture PoC using RabbitMQ, resulting in a 30% improvement in system stability.
- Implemented CI/CD practices, increasing code coverage by 60% and reducing deployment time by 70%.

Back End Developer, Sakoo.id (PT Telekomunikasi Indonesia) – Bekasi, Indonesia Sept 2018 – Jan 2019

- Developed the marketplace synchronization worker, reducing manual data entry by 80% and improving inventory accuracy by 95%.

Junior Programmer, PT Global Inovasi Utama – Sleman, Indonesia Feb 2017 – Nov 2017

- Developed multi-platform apps using Ionic Framework and a Java-based log gathering app for ATM machines, improving error detection rates by 70%.

Education

Bina Nusantara University (Binus), BS in Bachelor of Information Systems Sept 2019 – June 2022

- GPA: 3.61/4.00

Universitas Gadjah Mada (UGM), Associate's Degree in Computer Science and Information Systems Sept 2015 – Aug 2018

- GPA: 3.43/4.00

Akashi National College of Technology, Internship Program in Electrical and Computer Engineering – Akashi, Japan June 2017 – June 2017

Publications

BinRadar: Find Trash Can with an Android Device Jan 2016
Faldy Ikhwan Fadila

Honors and Awards

1st Winner of Codefest Idea Competition Jan 2017

3rd Winner of Application Development C-Compiler Jan 2017

Finalist of ACM ICPC Multi Provincial Maranatha Jan 2017

Skills

Languages: NodeJS, TypeScript, SQL, MongoDB, PHP, Laravel, Java, Go, Python

Infrastructure & Tools: Microservices, System Design, Elasticsearch, RabbitMQ, Docker, CI/CD, Linux, LLM Integration