Mohamad Fadli

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PROFESSIONAL SUMMARY

Versatile Fullstack Engineer with over 8 years of experience designing and delivering robust, scalable systems across maritime logistics, academic, and e-commerce domains. Specializing in backend architecture with Node.js, NestJS, PostgreSQL, and Redis, and frontend engineering using React.js and Vue.js. Demonstrated ability to improve operational efficiency through system integrations, reusable components, and automation. Comfortable working across cloud-native environments with Docker, Jenkins, and Rancher. Known for building maintainable architectures and collaborating effectively in cross-functional teams.

EXPERIENCE

PT. Sinarmas LDA Maritime   Jakarta

Full Stack Engineer   *March 2024 – Present*

Designed and implemented internal systems to support core maritime operations, including voyage planning, vessel management, margin tracking, and contract lifecycle oversight. Leveraged a modular microservices architecture using NestJS, PostgreSQL, and Redis to ensure scalability and maintainability across domains. Developed user-centric React interfaces tailored for operational teams, while integrating data from NAV ERP and internal master data systems through automated n8n workflows. Ensured consistent delivery and system reliability by maintaining CI/CD pipelines via Jenkins and deploying containerized applications using Rancher on Kubernetes infrastructure.

PT. Pertamina Bina Medika IHC DTO   Jakarta

Backend Engineer   *April 2023 – 31 March 2024*

Contributed to a semi-microservice architecture designed to manage hospital master data across 48+ subsidiaries, ensuring seamless integration with national health systems such as SATUSEHAT, BPJS, and multiple insurance providers. The technology stack leveraged Google Cloud Platform (GCP) for cloud infrastructure, with backend services built in Node.js, TypeScript, and NestJS, complemented by PostgreSQL, Redis, and a React.js-based frontend.

PT. Otoraja Network Indonesia (Otoraja.co.id)   Jakarta
Mid-Senior Backend Engineer   *January 2021 – March 2023*

Involved in the development and maintenance of several core systems, including the Host Management System (HMS), System Management Content (SMC), and System Front Apps (SFA) for mobile platforms. Responsible for delivering new features, performing system enhancements, and ensuring long-term maintainability. The deployment stack included Amazon Web Services (AWS), with services built using Ruby and Golang, data managed via MySQL and Redis, and user interfaces implemented using jQuery and Flutter. Elasticsearch was also utilized to support robust content indexing and search capabilities.

Freelance   Sulawesi (Remote)
Backend Engineer   *May 2020 – January 2021*

Developed lightweight microservice projects to explore and apply emerging technologies, particularly using Golang and Python. Focused on building clean, maintainable service layers while experimenting with different architectural patterns and deployment workflows.

PT. Raksasa Laju Lintang (Ralali.com)   Jakarta
Backend Engineer   *March 2020 – April 2020*

Contributed to the Content Management System (CMS) team by developing new features, optimizing database queries, refactoring frontend interfaces, and addressing system defects to enhance overall stability and performance. The deployment stack included Amazon Web Services (AWS), with backend services in PHP and Node.js, a Vue.js frontend, and data infrastructure using MySQL and Redis.

Universitas Tadulako   Jakarta
Full Stack Developer   *August 2016 – March 2020*

Led and coordinated development efforts within the programming division, including task planning and team management. Designed and maintained multiple academic information systems such as SIAKAD2, Staff-app, Gudang-app, Sirupas, and Pendaftaran-app to support university-wide administrative and academic operations. Responsible for ensuring data availability and system reliability across departments at Tadulako University. The systems were primarily built using Ruby on Rails in a microservice architecture, complemented by PHP services and MySQL as the primary relational database.

EDUCATION

STMIK Adhi Guna, Palu
Bachelor's Degree in Computer Science • 2014 – 2020

SMKN 3 Palu, Palu
Computer & Network Engineering • 2011 – 2014

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, Golang, Ruby, PHP, SQL, C++
Backend	Node.js, NestJS, Ruby on Rails, Golang, Express.js
Frontend	React.js, Vue.js, Flutter, jQuery
Databases	PostgreSQL, MySQL, Redis, MongoDB
Cloud & DevOps	AWS, Docker, Jenkins, Rancher, GitHub Actions, Kubernetes (basic)
Architecture	Microservices, Modular Monolith, Clean Architecture, RESTful APIs, Domain Layer Separation