FAHMI N. ROUF

Software Engineer (7+ Years Exp)
Central Java, Indonesia | Phone: (+62) 821-3833-3394 | Email: fahmi@rouf.dev
LinkedIn: linkedin.com/in/rouf-dev | Open to Relocation & Remote Roles

PROFESSIONAL SUMMARY

Software Engineer with 7+ years transforming business challenges into user-centric solutions across Hospitality, FinTech, EdTech, and Software Services. Specializes in bridging product vision and technical execution. While deeply proficient in frontend engineering, works as a full-cycle problem-solver designing backend architectures, data models, and DevOps pipelines that make great experiences sustainable.

PROFESSIONAL EXPERIENCE

ARCHIPELAGO INTERNATIONAL
Bali, Indonesia

Senior Frontend Developer
Jul 2023 – Present

Core engineer for Sentinel Tech (EMS division), developing high-load B2B SaaS platforms (HRIS, Asset Management) using a cost-efficient serverless architecture.

- Serverless Cost Optimization: Architected a backend with GraphQL API. Shifted heavy business logic to the frontend, treating the backend purely as a lean data repository to significantly reduce monthly cloud infrastructure costs.
- Thick Client State Management: Built complex, data-heavy applications with robust state management to handle intricate HR data flows without excessive API roundtrips.
- End-to-End Product Ownership: Owned full UI/UX design and frontend implementation as founding engineer. Established project structure, coding standards, and delivered key products: SentecEMS Management, SentecEMS Employee, and SentecEMS Jobs.

BINAR ACADEMY
Yogyakarta, Indonesia

Senior Frontend Developer
Mar 2022 – Jul 2023

Led the 'Growth & Payment' engineering squad, responsible for the entire user journey from service discovery to transaction completion.

- Team Leadership & Stakeholder Alignment: Managed cross-functional squad (BE, FE, QA), coordinating directly with C-levels, Marketing, and Academy heads to align engineering with business growth targets. Owned company's high-traffic marketing site using Webflow for rapid campaign iterations.
- Legacy Migration: Spearheaded the critical migration of core services from a legacy monolith to a high-concurrency microservice architecture, improving system reliability during peak bootcamp enrollment periods.
- Funnel Optimization: Owned the Discovery-to-Payment funnel. Integrated payment gateway ensuring a seamless checkout experience for educational products.
- DevOps & Infrastructure: Managed CI/CD pipelines and deployment strategies on GCP and Kubernetes, bridging the gap between development and operations.

PT. TRASPAC MAKMUR SEJAHTERA
Jakarta, Indonesia

Senior Software Developer
Dec 2020 – Mar 2022

- Technical Leadership & Modernization: Spearheaded adoption of modern frontend frameworks and mobile development stacks for government and private sector clients. Mentored junior developers through code reviews and best practices in a fast-paced software house environment.
- National Data Visualization Platform: Engineered a self-service analytics engine for government agencies, enabling on-the-fly custom visualizations with multiple charting libraries.
- Client & Requirement Engineering: Collaborated directly with high-profile government and private sector stakeholders to translate complex institutional requirements into technical specifications, ensuring high adoption and system accuracy.
- Microservices Architecture: Architected centralized data exchange systems with REST APIs and modernized legacy systems to mobile-first microservices for high-security applications.

PT. TRASPAC MAKMUR SEJAHTERA
Jakarta, Indonesia

Software Developer
Jul 2018 – Nov 2020

- Government-Scale HRIS: Developed mission-critical administrative systems for national government agencies, handling high-volume personnel data with focus on data integrity and secure role-based access control.

TECHNICAL PROFICIENCY

Languages: JavaScript (ES6+), TypeScript, PHP, Golang, Ruby, SQL, HTML5, CSS3

Frontend: Vue.js, Nuxt.js, React, Next.js, React Native, Flutter, Vuetify, Tailwind CSS, Shaden, MaterialUI, Webflow

Backend: Node.js, AWS Lambda, GraphQL, REST APIs, Laravel/Lumen, CodeIgniter, Ruby on Rails, Strapi

Cloud & DevOps: GCP, AWS, Docker, Kubernetes, CI/CD (GitHub Actions, GitLab CI), Git

Databases: PostgreSQL, MySQL, SQL Server, Oracle, MongoDB, Redis

Data Viz & Tools: Google Analytics, Jira, Figma, Vitest, Midtrans