

Rizqy Prastya Ari Nugroho

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Fullstack Engineer | Cloud-Native Systems & Web3 Enabled Applications

PROFESSIONAL SUMMARY

Fullstack Engineer with 5+ years of experience building scalable web and backend systems across fintech, edtech, gaming, and logistics. Proven expertise in React, Golang, Node.js, and cloud infrastructure (HashiCorp stack, Kubernetes, Terraform), with hands-on experience integrating Web3 wallet connectivity (Wagmi, RainbowKit) for blockchain staking features. Adept at leading engineering teams, modernizing legacy systems, and driving cost-efficient, secure, and maintainable architectures from AI-powered LMS platforms to high-traffic internal banking tools.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go, Java, Python, C#, Rust

Frontend: React, Next.js, TanStack Router, Tailwind CSS, MUI, Framer Motion, Server Side Rendering

Backend: Node.js, Express, Golang, Spring Boot, GraphQL, REST

Infrastructure & DevOps: Terraform, Docker, Kubernetes, Nomad, Consul, Vault, AWS, GCP, Alibaba Cloud

Databases & Caching: MongoDB, FaunaDB, PostgreSQL, Redis

Messaging & Eventing: NATS, MQTT

Blockchain & Web3: Ethereum, Wagmi, RainbowKit, Smart Contract Integration, Staking Systems

Methodologies: Microservices, CI/CD, Infrastructure as Code (IaC), Agile/Scrum, SRE

Integrations: Supabase, Sanity, LangChain, Whisper

EXPERIENCE

Bitlabs Academy

Software Engineer (Full Time)

June 2024 - October 2025

- Developed AI powered LMS platforms ('Yes Academy', 'Yes LMS') using React, TanStack Router, Golang, and GraphQL.
- Integrated LangChain + Whisper for real-time speech-to-text and AI learning assistant.
- Migrated from Alibaba Cloud Kubernetes to HashiCorp stack (Nomad, Consul, Vault, Terraform), achieving 80% cost savings.
- Optimized GraphQL resolvers and data loaders, reducing average response time by 40%.

Good Games Guild (GGG)

Senior Backend Engineer / Project Manager (Full Time)

September 2022 – June 2024

- Architected scalable microservices with Node.js, TypeScript, MongoDB, Redis, NATS, and MQTT.
- Optimized Docker containers, **reducing image size by 60%** and **cutting deployment time by 45%**.

- Migrated infrastructure from GCP Kubernetes to Hashicorp Stack (Nomad, Consul, Vault), **reducing costs by 25%**.
- Wrote detailed technical documentation and maintained SLA compliance above 99.9%.
- Led end-to-end development of blockchain staking features for Hightable and Metaverspad, integrating RainbowKit, Wagmi, and Supabase for wallet connectivity, on-chain interactions, and user authentication boosting platform engagement by 50%.
- Built and maintained supporting backend services (Node.js, TypeScript) for staking logic, reward distribution, and real-time balance tracking.

Infosys Solusi Terpadu

Senior Frontend Engineer (Full Time)

August 2022 – August 2023

- Collaborated with Pegadaian Emas and banking clients (CIMB, Mayapada, Mandiri) for internal systems.
- Led 25+ engineers across multiple projects and refactored legacy web applications.
- Defined and enforced company-wide frontend standards for React applications, enhancing long-term maintainability.
- Strengthened application security (e.g., CSP, dependency auditing) and optimized Docker container size to improve CI/CD efficiency.

CariGuru

Fullstack Engineer / Tech Lead (Part Time)

December 2021 – May 2024

- Built and maintained 6+ microservices—including Payment, Student, and Webinar systems handling 10K+ daily transactions.
- Implemented Express, TypeScript, MongoDB, and Redis backend; React + Tailwind for frontend.
- Introduced Nomad + Consul for orchestration, **reducing downtime by 50%** and **cutting infra costs by 20%**.
- Introduced Story Pointing to improve sprint planning, **balancing workload efficiency by 30%**.
- Provided technical leadership for a 35+ person tech division, aligning product, design, and engineering teams to ensure timely delivery.

Lingotalk

Backend Engineer / Tech Lead (Full Time)

August 2021 – January 2023

- Led backend team of 10+ engineers; later managed 25+ cross-functional members (Frontend & Backend).
- Migrated SQL database to FaunaDB, **improving query latency by 35%**.
- Integrated Midtrans payment gateway, **automating 95% of payment flows** and **boosting success rate by 30%**.
- Designed and implemented appointments scheduling system, **supporting 10K+ monthly bookings**.
- Awarded **Employee of the Month (Nov 2021)** for leadership and delivery excellence.

Blups Asia

Fullstack Engineer - Part Time

November 2021 – May 2022

- Built fullstack features for internal cargo tracking and e-commerce tools using Next.js (with Framer Motion and Tailwind CSS) and lightweight Golang services.
- Integrated with Sanity CMS for content management and streamlined data flow between frontend and backend layers.
- Integrated AWS and GCP services, **improving deployment stability by 40%**.
- Optimized backend architecture, **reducing response time by 25%** and **improving scalability** for high-traffic environments.

Sinarmas

Software Engineer - Full Time

January 2021 – December 2021

- Developed internal banking tools by building RESTful APIs (Spring Boot) and frontend interfaces for operational teams.
- Focused on secure, maintainable code for internal-use applications supporting functions like Virtual Accounts, Bulk Payments, and QR Merchant services.
- Rewrote legacy Java microservices using Spring Boot, **reducing maintenance time by 40%**.
- Collaborated with multiple divisions to define business requirements and improve integration flow.
- Integrated B2B and internal APIs, **increasing data processing throughput by 25%**.

EDUCATION

Universitas Negeri Jakarta, Indonesia

Bachelor of Management

2020 - 2023

Multimedia Training Center Yogyakarta, Indonesia

Bachelor of Game Design

2018 - 2024

LANGUAGES

Bahasa Indonesia (Native)

English (Professional Fluency)