

Irsyad Abdul

Fullstack Engineer (Node.js & Golang)

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Fullstack Engineer with 5+ years of experience building scalable web applications, backend services, and distributed systems across banking, enterprise, and SaaS environments. Specialized in Node.js, TypeScript, Golang, and React/Next.js, with proven expertise in microservices architecture, asynchronous processing, caching strategies, API design, and database optimization. Delivered high-reliability solutions in regulated banking environments where performance and uptime are non-negotiable.

WORK EXPERIENCES

PT. Krom Bank Indonesia (June 2025 – Present)

Fullstack Engineer - Internal Tools Team

- Implement Redis caching across banking platform APIs, reducing average response time by ~75% and significantly cutting database query load during peak operational hours.
- Decoupled background processing from the main backend by migrating long-running workflows into a dedicated BullMQ consumer service, improving system isolation and processing reliability — handling 2M+ data records per weekday.
- Designed and implemented secure, scalable backend services using TypeScript and Express.js, deployed on AWS EKS with S3 for storage and Scalyr for observability.
- Built modern, responsive internal UIs using Next.js and Mantine UI, improving usability across multiple operational departments.
- Collaborated with product owners and business stakeholders to translate operational requirements into production-ready features within a cloud-native AWS environment

Tech Stacks: Node JS, Typescript, Express JS, PostgreSQL, Redis, React JS, Next JS, Mantine UI, BullMQ, Websocket, AWS EKS, AWS S3, Scalyr

PT. Bank Rakyat Indonesia (June 2024 – May 2025)

Fullstack Developer - Corporate Core Platform (CCP) Team

- Designed and shipped 3 production microservices using Fastify and NestJS, handling up to 100 RPS with stable performance under real transaction load.
- Built event-driven asynchronous pipelines using RabbitMQ and Redis, decoupling service dependencies and improving cross-service integration reliability across corporate banking workflows.
- Developed and maintained Golang services handling high-throughput background data processing, significantly reducing processing time compared to prior synchronous implementations.
- Implemented scheduled jobs and background workers to automate recurring business tasks, reducing manual intervention across operational processes.
- Built reusable frontend components using Next.js and Material UI, accelerating feature delivery across the corporate banking platform.
- Contributed to system performance improvements through code optimization, query tuning, and architectural enhancements.

Tech Stacks: Node JS, Javascript, Typescript, Fastify JS, Golang, Gin, Next JS, Nest JS, MySQL, RabbitMQ, Redis, Material UI

PT. Optima Media Teknologi (August 2022 – May 2024)

Backend Developer

- Architected and delivered RESTful and GraphQL APIs powering multiple enterprise and web-based applications, with emphasis on scalability, maintainability, and clean code.
- Resolved critical API and database performance bottlenecks through query optimization and Redis caching, improving application responsiveness across high-traffic endpoints.
- Designed and led database schema design (ERD) for new applications, serving as the primary technical reference for data modeling decisions within the team.
- Conducted code reviews for a 2-person backend team, establishing engineering standards that improved code quality and development consistency.
- Collaborated with frontend engineers, GIS specialists, and project stakeholders to deliver integrated business solutions across diverse client environments.

Tech Stacks: Node JS, TypeScript, Nest JS, Laravel, REST API, GraphQL, PostgreSQL, MySQL

Andaf Corporation (August 2020 – August 2022)

Web Developer

- Built and maintained client-facing websites and digital platforms for marketing and e-commerce industries using Laravel and MySQL.
- Developed custom CMS solutions, integrated third-party payment gateways and analytics APIs, and delivered SEO and performance optimizations per client requirements.
- Managed end-to-end feature delivery from planning through deployment, collaborating directly with clients to gather requirements and propose technical solutions.

Tech Stacks: Laravel, MySQL, Wordpress.

EDUCATIONS

UIN Syarif Hidayatullah Jakarta (2016 – 2022)

Bachelor of Informatics Engineering (Computer Science)

GPA: 3.52/4.00

SKILLS

Languages: Node JS JavaScript, TypeScript, Golang, PHP, Python

Backend: Express JS, Nest JS, Fastify, Laravel, Gin

Frontend: React JS, Next JS, Mantine UI, Material UI

Databases: PostgreSQL, MySQL, MongoDB, Redis

Other: REST API, GraphQL, WebSocket, Microservices, Docker, AWS, CI/CD, RabbitMQ, Git

AWARDS AND CERTIFICATIONS

- 1 of Top 30 Titans in Telkomsel Tech Titans League Series 1 – Software Development 2020 ([certificate](#))
- Getting Started with DevOps on AWS ([certificate](#))
- Pemrograman Golang: Pemula sampai Mahir ([certificate](#))

PORTFOLIO & LINK

Portfolio: irsyadabdul.my.id/portfolio

Github: github.com/abdul15irsyad

Linkedin: linkedin.com/in/irsyad-abdul-hamid-d