

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 strong expertise in microservices architecture, asynchronous processing, caching strategies, API design, and database optimization. Proven ability to deliver reliable, maintainable, and high-performance solutions while collaborating across cross-functional teams.

WORK EXPERIENCES

PT. Krom Bank Indonesia (June 2025 – Present)

Fullstack Engineer

Join the Internal Tools Team.

- Developed and enhanced internal banking platforms that support operational and business workflows across multiple departments.
- Designed and implemented secure, scalable backend services using TypeScript and Express.js with a focus on maintainability and performance.
- Introduced Redis caching strategies to improve application responsiveness and reduce database workload.
- Built modern and responsive user interfaces using Next.js and Mantine UI to improve usability and user experience.
- Optimized background processing workflows and asynchronous job execution to improve system efficiency and reliability.
- Collaborated with product owners, business stakeholders, and engineering teams to deliver features aligned with operational requirements.
- Contributed to system scalability and observability within cloud-native environments running on AWS infrastructure.

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

Join the Corporate Core Platform (CCP) Team

- Contributed to the development of internal corporate banking platforms supporting operational and business processes.
- Designed and implemented RESTful APIs and microservices using Fastify and NestJS following scalable architecture principles.
- Developed event-driven and asynchronous solutions using RabbitMQ and Redis to improve system integration and reliability.
- Built reusable frontend components and application modules using Next.js and Material UI to accelerate feature delivery.
- Participated in the development and maintenance of Golang services supporting high-performance business operations.
- Implemented scheduled jobs, background workers, and automation processes to streamline recurring business tasks.
- Collaborated closely with cross-functional teams to analyze requirements, design solutions, and deliver production-ready applications.
- Contributed to system performance improvements through code optimization, architectural enhancements, and technical troubleshooting.

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

- Designed and developed RESTful and GraphQL APIs powering multiple enterprise and web-based applications.
- Architected backend services using NestJS and Laravel with emphasis on scalability, maintainability, and clean code practices.
- Designed database schemas and optimized data access patterns across PostgreSQL and MySQL environments.
- Implemented caching mechanisms using Redis to improve application performance and reduce backend load.
- Collaborated with frontend engineers, GIS specialists, and project stakeholders to deliver integrated business solutions.
- Conducted code reviews and contributed to engineering standards, improving code quality and development consistency.
- Diagnosed and resolved application bottlenecks through API, database, and infrastructure-level optimizations.
- Participated actively in agile development processes, sprint planning, and technical discussions.

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

Andaf Corporation (August 2020 – August 2022)

Web Developer

- Developed and maintained websites and digital platforms for clients across marketing and e-commerce industries.
- Built custom content management systems using Laravel to support business and marketing operations.
- Customized and extended WordPress themes and plugins based on client-specific branding and functional requirements.
- Integrated third-party services including payment gateways, analytics platforms, and external APIs.
- Improved website performance, SEO readiness, and overall user experience through technical optimizations.
- Collaborated directly with clients to gather requirements, propose technical solutions, and deliver business objectives.
- Managed end-to-end feature implementation from planning and development through deployment and maintenance.

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