

Fernanda Iqshal Syafalam

+62 815 7482 6250 • fernanda.iqshalsyafalam@gmail.com • [linkedin](#) • [website](#)

Jepara, Central Java, Indonesia

Full-Stack Developer

Senior full-stack developer with 3+ years of experience building enterprise-grade financial systems and scalable web applications. Proven track record of delivering high-performance solutions for major Indonesian corporations, including PT Telkomsel, Bank Rakyat Indonesia, and PT Astra Digital. Expert in modern JavaScript/TypeScript ecosystems with deep knowledge of clean architecture principles, resulting in 30% faster development cycles and 20% improved system efficiency.

Specialized in fintech applications, payment gateways, and regulatory compliance systems. Strong advocate for clean code practices, automated deployments, and zero-downtime architecture.

SKILLS SUMMARY

-
- **Programming Languages:** TypeScript, JavaScript, GO
 - **Frameworks & Libraries:** React.js, Next.js, Nest.js, GO, ORM, Prisma, ShadcnUI
 - **Databases:** MongoDB, PostgreSQL, MySQL
 - **Tools & Platforms:** Docker, Linux, Git, Jenkins, Postman, Kubernetes
 - **Other Skills:** Problem Solving, Team Collaboration, Client Requirements Understanding, Team Lead, Management
-

Contract PT Dibuiltadi (April 2024 - Current)

Projects and Contributions:

- **Indonesia Global Exchange & Clearing (NextJS, GO, Laravel), PT Indonesia Global:**
Description: A regulatory-grade system for logging, tracking, and auditing transactional and trading data across multiple financial platforms. The platform ensures full compliance with industry regulations and provides real-time visibility for both internal stakeholders and external regulators. The system integrates secure APIs, real-time logging mechanisms, and robust data integrity protocols to support end-to-end financial traceability.

Key Responsibilities:
 - **Resource Efficiency:** Engineered a high-performance service using proven design patterns, ensuring optimal resource utilization and scalability under heavy workloads.
 - **Modular and Maintainable Codebase:** Enforced Clean Architecture principles with clear separation of concerns across layers (handler, use case, repository), adhering to **SOLID**, **DRY**, and **KISS** principles for maintainability.
 - **Frontend Engineering:** Built a modern and responsive user interface using **Next.js (App Router)**, optimized for performance, accessibility, and SEO, enabling real-time visibility for stakeholders and regulators.
- **Notification Gateway (NestJS, NextJS), PT Dibuiltadi:**
Description: A gateway to manage notification error payments and have an open API to connect with all the payment apps that the vendor has (PAYMENT ARINDO, PAPRIKA, ASSASTA) and more apps that will be developed soon.

Key Responsibilities:

- **Resource Efficiency:** Engineered a high-performance service using proven design patterns, ensuring optimal resource utilization and scalability under heavy workloads.
 - **Code Maintainability:** Implemented **clean code** practices, adhering to **SOLID principles** and **DRY methodology**, resulting in a codebase that is easy to read, extend, and maintain.
 - **Zero Downtime Deployment:** Designed the service architecture to ensure continuous availability, leveraging strategies like blue-green deployment and horizontal scaling to avoid interruptions
 - **Optimized Code Quality:** Focused on delivering clean, readable, and well-documented code to simplify debugging, accelerate updates, and reduce turnaround time for fixes and feature enhancements.
 - **Reusable Component:** Developed modular and reusable components, significantly reducing development time for new features while maintaining consistent functionality across services.
 - **API Integration:** Built a flexible and scalable Open API framework to seamlessly integrate with existing and upcoming payment applications.
 - **API Documentation:** Created comprehensive and developer-friendly API documentation using tools like **Swagger** or **Postman**, ensuring easy onboarding for developers and reducing integration time for external teams.
- **Payment Gateway ARINDO (Vue.js, Laravel, Vuetify), PT Arthaprada Indonesia:**
Description: A dynamic web application crafted to streamline the management of payment gateway clients, akin to platforms like Flip.

Key Responsibilities:

- **Enhance User Experience:** Developed a visually appealing and intuitive website design to boost user engagement and satisfaction significantly.
 - **Code Maintainability:** Utilized component-based architecture to enhance code maintainability and flexibility, ensuring long-term sustainability and ease of updates.
 - **UI/UX Integration:** Integrated UX content seamlessly into the UI, creating a cohesive and user-friendly experience.
 - **Optimized Code Quality:** Focused on writing clean, readable code to accelerate debugging and updating processes, reducing turnaround time for fixes and enhancements.
 - **Reusable Component:** Develop components that can be used anywhere to reduce coding time.
 - **Third-Party Integrations:** Successfully integrated third-party services, including **Kredibel** and banking APIs such as **BRI**, **BNI**, and others, ensuring seamless functionality across systems.
 - **Secure Code Practices:** Implemented robust security measures such as **asymmetric encryption**, **rate limiting**, and **JWT-based authentication**, ensuring user data integrity and system protection
- **Payment Gateway Asasta(Vue Js, Laravel, Nodejs), PT Asasta Nawasena):**
Description: A comprehensive web application designed to efficiently manage various aspects of payment gateways, including merchants, users, deposits, taxes, and more.
- **Internal WhatsApp Notification:** Developed an internal WhatsApp notification system to monitor and notify relevant stakeholders of any issues or transactions, ensuring swift follow-up and resolution.
 - **User-Centric Design:** Designed and developed an engaging website that enhances the overall user experience, making it attractive and functional.
 - **Component-Based Development:** Employed a component-based approach to improve the maintainability and flexibility of the codebase, ensuring it can adapt to future needs with minimal effort.
 - **Seamless UX Integration:** Ensured the UI was populated with well-crafted UX content, providing users with a smooth and intuitive interaction.

- **High-Quality Code:** Maintained a focus on producing readable and clean code, facilitating faster fixes and updates, and enhancing overall development efficiency.

Contract PT Adyatma Cendekia Sinergi Abadi (ACSA) (Mei 2022 - April 2024)

Projects and Contributions:

- **Comet Project Pipeline (Nest Js, Postgresql, Prisma, Next.js), PT Koperasi Metropolitan**(Dec 2023 – April 2024):
(A web application designed for project management that facilitates qualification tracking and documentation for task delegation to assigned personnel.)
 - Develop project management applications that make it easy to track qualifications and project documentation.
 - Managed a 5-person team to increase development efficiency by up to 20%.
- **Data WareHouse (Next Js, Golang), PT Telkomsel** (Nov 2023 – April 2024):
(A web application for comprehensive data analysis to inspire future development ideas.)
 - Building Restful APIs with clean code principles for comprehensive data analysis.
 - Converts raw data received from clients into data that is easier to read and more interesting.
- **Zozo Hero (Nest Js, Postgresql, Prisma), PT Zozo Hero** (Oct 2023 – Jan 2024):
(A website application for comprehensive accounting services, including various accounting tools for taxation, journals, etc.)
 - Transforming accounting and taxation systems into user-friendly and easy-to-use applications.
 - collaborate with related parties to develop tax and payment applications.
 - update and improve data table design
- **Workbench (Codeigniter, SQL Server), PT Bank Rakyat Indonesia** (March 2023 – March 2024):
(a website to looking for summary on all cockpit, then i handle one for cockpit international)
 - Repair and update old code that is not used, and improve efficiency up to 20%
 - Changing the program to be more readable and structured to increase development speed
 - Identify client needs and implement them well
- **Trustlink (Next.js & Nest.js), PT Sistem Olah Cerdas Indonesia** (Sept 2022 – Jan 2023):
 - Resolving issues.
- **CDI Billing – Billing System (Next Js & Nest Js), PT Sistem Olah Cerdas Indonesia** (Sept 2022 – Jan 2023):
 - Addressing existing issues.
 - Creating UI and wiring for user master data.
 - Create UI and wiring for service management
- **CDI – Open Banking (Next Js & Nest Js),PT Sistem Olah Cerdas Indonesia** (Sept 2022 – Jan 2023):
 - Designing UI for the wallet authentication website.
 - Crafting UI for detailed accounts across banks and wallets.
 - Creating UI for account details.
- **GMP (Next Js & Nest Js), PT Astra Digital:**
 - Implementing payment history tracking.
 - Developing a RESTful CRUD package.
 - Maintaining and addressing issues.
- **CARI PARKIR (Java Spring Boot, gRPC, Koa JS), PT Astra Digital:**
 - Building a web application system to facilitate users in finding available Lockers (parking lots) at Locations without the need to download and create an account in the Cari Parkir app. Maintaining a CMS website. (Java Spring, Nest.js, Koa.js, gRPC, and Nexus)
 - Creating a session-based expiration time system for users.
 - Setting up an auto Email sender using a scheduler.
 - Establishing automatic data management using a scheduler.

- Logging activity for Create Delete Update operations.
- Addressing Issues.
- **RECONCILE-ENGINE - TRUSTLINK (Koa Js):**
 - Developing a system to write and decrypt files from banks.
 - Implementing token checks.
 - Enabling CORS to ensure secure APIs accessible only from a single URL.
 - Creating APIs for upload, validating file extensions, and checking for original files.

ADDITIONAL INFORMATION

Technical Skill: Advanced programming, proficient in Microsoft Office Suite.

Languages: English (passive), Bahasa Indonesia (fluent)