

# Muh Afrizal Syafri Rizki

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## EXPERIENCE

### Frontend Developer

*Single Submission Perizinan - Indonesia National Single Window*

August 2022 – November 2024

Jakarta, ID

- Built a database-driven UI orchestration system where 20+ registered components dynamically render based on API responses, enabling non-technical staff to configure complex import forms through database entries instead of code deployments
- Served as L3 technical escalation point for production issues, implementing code fixes and API troubleshooting solutions while coordinating with ministry and institutional bodies technical teams to ensure compatibility with government system integrations
- Engineered the core database intelligence powering dynamic UI rendering, writing 50+ stored procedures and optimization queries that orchestrate form fields based on multi-variable business logic

### Frontend Developer

*Single Submission Pengangkut Laut - Indonesia National Single Window*

March 2023 – Present

Jakarta, ID

- Designed modular component system that accelerated feature delivery by 3x, allowing development team to meet aggressive product roadmap timelines by composing new features from existing modules rather than writing from scratch
- Implemented conditional form rendering system that handles 30+ branching pathways, where selections trigger different UI components, API calls, and business logic flows based on compliance requirements
- Delivered implementation of UI/UX designs while maintaining design system compliance, coordinating with design team to resolve technical constraints without compromising user experience

### Frontend Developer

*Pemberitahuan Antarpulau Barang - Indonesia National Single Window*

March 2023 – Present

Jakarta, ID

- Delivered features in strictly-typed legacy environment, working within tight coding constraints while ensuring zero disruption to existing functionality
- Implemented features through thoughtful integration, refactoring existing modules to accommodate new functionality while preserving code strictness and preventing technical debts

### Frontend Developer

*Kawasan Ekonomi Khusus (Indonesia SEZ) - Indonesia National Single Window*

January 2025 – Present

Jakarta, ID

- Executed parallel development strategy, keeping legacy system operational for daily SEZ transactions while refactoring core modules from in phased approach
- Established clean code standards while systematically reducing technical debt, implementing modular architecture that enables independent feature development and deployment
- Extended transformation efforts across 4 major business-critical modules, implementing parallel development and clean code practices throughout entire application ecosystem

### System Analyst

*Executive Information Summary Dashboard - Indonesia National Single Window*

August 2025 – Present

Jakarta, ID

- Led diverse development team of 6 engineers to deliver EIS dashboard, implementing code review process for all dev merges while coordinating sprints and technical decision
- Managed 15 legacy and integrated 5 new real-time dashboards within unified application, implementing role-based access control, data source integration with analytics team, and permission management for executive users
- Embraced technical documentation practices by implementing Git-based documentation workflow, reducing troubleshooting time through accessible and well-maintained technical resources

## PROJECTS

### Portfolio Website | *TypeScript, React, Zustand, GSAP, Tailwind CSS*

- Developed full desktop operating system experience in browser, featuring functional windows, dock, and application interfaces
- Architected sophisticated state management with Zustand to handle concurrent window states, focus management, and inter-application communication

- Leveraged GSAP animation library for smooth window animations and micro-interactions, achieving native desktop feel within web environment

#### **GhostCast - AI Podcaster | Typescript, Next.js, Convex, OpenAI**

- Built AI-powered podcast generation SaaS using OpenAI's text-to-speech and image generation APIs, enabling users to create full podcast episodes from text input
- Implemented complete authentication and payment system using Clerk for user management and Stripe for monetization through tipping features
- Architected instant backend capabilities with Convex for real-time database operations, file storage, and API endpoints, supporting scalable podcast generation workflow”

#### **TickerBrain - Stock Dashboard Analysis | TypeScript, NextJS, MongoDB, Inngest, Gemini AI**

- Developed personalized stock dashboard with AI-generated welcome messages using Gemini API, tailoring content based on user preferences
- Implemented secure authentication system using BetterAuth for user management and session handling across the application
- Built automated workflow system with Inngest for scheduled email notifications and daily news deliveries, ensuring reliable background job processing

### **TECHNICAL SKILLS**

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**Languages:** JavaScript, TypeScript, HTML/CSS, SQL (Postgres)

**Frameworks:** Next.js, Express.js, FastAPI

**Libraries:** React.js, Three.js, Redux, GSAP, Tailwind CSS

**Developer Tools:** Git, VS Code, Webstorm, Vercel, Docker, Postman

**AI Tools:** Cursor, Claude Code, CodeRabbit