

ALFA RIZI

FULL-STACK DEVELOPER

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PROFESSIONAL SUMMARY

Full-Stack Developer experienced delivering complete, responsive web applications and high-throughput backends. Proven ability pairing modern frontend frameworks (React 19, Next.js 14/16 App Router, Vite, Tailwind CSS v4) with enterprise backend architectures (Quarkus 3.15, Spring Boot 3.2 microservices, Express.js). Strong focus on interactive UI states, Web Audio/Speech APIs, transactional database integrity on PostgreSQL, and automated CI/CD deployment.

TECHNICAL SKILLS

Frontend Development:	Next.js 14/16, React 18/19, TypeScript, Tailwind CSS v4, Web Speech API, Web Audio API, Canvas API
Backend Engineering:	Quarkus 3.15 LTS, Java 17, Spring Boot 3.2, Spring Cloud Gateway, Express.js, FastAPI
Databases & Caching:	PostgreSQL, Redis 7, PL/pgSQL Triggers & Views, Drizzle ORM, Flyway Migrations, ChromaDB
Security & State:	JWT Authentication, Double-Entry Escrow, Anti-Hoarding Leases, RBAC, TanStack Query, BCrypt
DevOps & Tooling:	Docker, Docker Compose, GitHub Actions (CI/CD), Git, Vite, Postman, Linux CLI, OpenAPI

FEATURED FULL-STACK PROJECTS

ReLoop — Enterprise Circular Commerce Platform <i>Next.js 14, Quarkus 3.15 LTS, TypeScript, PostgreSQL, Redis, TailwindCSS</i> Demo: https://reloop.biz.id Code: github.com/a1fariz/ReLoop	2026
- Built an end-to-end circular electronics marketplace: Next.js 14 (App Router) client backed by Quarkus 3.15 modular monolith. - Implemented optimistic UI updates via TanStack Query, live checkout lease countdowns, and double-entry escrow dashboard. - Engineered anti-hoarding checkout leases with pessimistic locks and Redis catalog caching for instant page transitions.	
Arte — Classical Art Bureau & Interactive Curatorial Archive <i>React 19, Vite, Tailwind CSS, The Met API, Framer Motion, Web Audio API</i> Demo: https://www.arte.my.id/ Code: github.com/a1fariz/arte	2026
- Developed an interactive art exhibition SPA with 360° circular orbit gallery, infinite marquee, and dual Curator/Visitor roles. - Engineered accessible exhibition CRUD with focus-trapped dialogs, localStorage persistence, and synthetic Web Audio API feedback. - Integrated dynamic bilingual (EN/ID) translation and optimized viewport rendering with IntersectionObserver.	
Vanguard IELTS — Academic Preparation & SRS Platform <i>React 19, TypeScript, Vite, Tailwind CSS v4, Web Speech API, SRS Engine</i> Demo: https://vanguard-ielts.vercel.app Code: github.com/a1fariz/Vanguard-IELTS	2026
- Built a comprehensive 4-skill IELTS preparation web platform covering CEFR A1 to C1 with diagnostic placement drills. - Engineered a SuperMemo-inspired Spaced Repetition (SRS) vocabulary engine, persistent Mistake Bank, and Daily Adventure quests. - Implemented Shadowing Studio leveraging browser-native Web Speech API audio modeling for speech pronunciation practice.	
ApexGrid — F1 Race Ticket Booking Platform <i>React 18, Spring Boot Microservices, Spring Cloud Gateway, PostgreSQL, Docker</i> Code: github.com/a1fariz/ApexGrid	2026
- Delivered a full-stack platform with 3 Spring Boot microservices, centralized API Gateway, and glassmorphic React 18 frontend. - Built real-time seat reservation with instant quota synchronization via PostgreSQL triggers and interactive admin analytics.	

PROFESSIONAL EXPERIENCE

Lead Intern — IT & Business Operations <i>PT Resik Cemerlang (Pasim Group)</i>	2025 – Present Bandung, Indonesia
- Directed a 5-person intern team managing day-to-day IT support operations, hardware diagnostics, and workstation SLA ticket compliance. - Enforced OS security patching, software configurations, and antivirus definition updates across corporate laptops. - Validated technical specifications across thousands of medical device asset entries, ensuring database integrity and audit readiness.	

EDUCATION & TRAINING

Universitas Nasional PASIM <i>Associate Degree in Informatics Management (D3) — GPA: 3.6 / 4.0</i>	Expected May 2027 Bandung, Indonesia
PUB Intensive Technical Scholarship (2024 – Present): Logic & C, Data Structures, Relational Databases, Advanced Java Development, and React Development.	

CERTIFICATIONS & CREDENTIALS

Python for Everybody Specialization — University of Michigan (2026)	Programming for Data Science with Python — HarvardX (2025)
Certified Entry-Level Python Programmer (PCEP) — Python Institute (2025)	Introduction to Cloud Computing — IBM (2026)
Professional English Communication Skills — Arizona State University (2026)	Cybersecurity Fundamentals — Rochester Institute of Technology (RIT) (2025)