# NICO ALFIAN RENALDY GULO

**Frontend Engineer** | **Public Portfolio Resume**

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## PROFESSIONAL SUMMARY

Frontend Engineer with nearly 5 years of experience building production web applications with React, Next.js, and TypeScript. Scope has expanded into basic backend services and Flutter mobile features, supported by agentic AI workflows with engineering review and production validation. Experienced in frontend architecture, complex API integration, automated testing, performance optimization, and responsive product delivery. Co-founded Chamjo Design, a UX research and inspiration platform serving 44,000+ users.

## TECHNICAL SKILLS

**Core:** TypeScript, JavaScript, React.js, Next.js, HTML, CSS, Tailwind CSS

**State & Data:** Redux, Zustand, React Context, React Query, REST APIs

**Testing:** Playwright, Jest, React Testing Library

**Frontend Engineering:** Responsive UI, component-driven development, performance optimization, accessibility

**Tools:** Git, GitHub Actions, CI/CD, Storybook, Figma, Jira, Webpack, Supabase

**Backend:** Basic backend services, server-side logic, REST API implementation and integrations

**Mobile:** Flutter mobile feature implementation and cross-platform product integration

**AI-Enabled Delivery:** Agentic AI workflows with engineering review, testing, and production validation

## PROFESSIONAL EXPERIENCE

### Frontend Engineer | Reku (PT Rekeningku Dotcom Indonesia)

*October 2021 - Present*

- Develop and maintain production web applications using React.js, Next.js, and TypeScript across customer-facing product flows.
- Translate product requirements and Figma designs into responsive, reusable, and maintainable interfaces.
- Integrate REST APIs and frontend state-management layers for data-intensive experiences, authentication, and account workflows.
- Improve application performance through code splitting, lazy loading, rendering optimization, and component refactoring.
- Implement automated coverage with Playwright, Jest, and React Testing Library for critical user journeys.
- Contribute to basic backend services, server-side logic, and REST API implementation alongside frontend delivery.
- Contribute to Flutter mobile development by implementing and integrating production features across web and mobile product flows.
- Use agentic AI workflows to support end-to-end implementation while reviewing code quality, security, testing, and production readiness.
- Collaborate with product, design, backend, and QA teams through planning, implementation, code review, testing, and release.

## SELECTED PUBLIC PROJECTS

### Chamjo Design | Live

*Co-Founder & Frontend Developer*

UX research and inspiration platform built from MVP to a subscription-enabled product with curated app references, authentication, advanced filtering, and responsive discovery flows.

- Reached 44,000+ users and delivered the initial MVP in 2 weeks.
- Built with Next.js 14, TypeScript, Tailwind CSS, Supabase, React Query, Zustand, and Lemon Squeezy.
- Implemented Google OAuth, SSR authentication, subscription-aware React hooks, OpenGraph metadata, and mobile-first SEO.

### KLineChart by nicogulo | GitHub | NPM

*Open Source Contributor*

Customized an open-source financial charting library for company requirements, including enhanced candlestick rendering, custom indicator support, and performance improvements.

- Technologies: TypeScript, Canvas API, and financial-charting patterns; published publicly on NPM.

### The Watch Collection (TWC) | Live

*Frontend Developer*

Luxury watch e-commerce experience covering collections, advanced filtering, watch reservation and selling flows, professional services, and EN/ID localization.

- Integrated WooCommerce REST API using Next.js 14, TypeScript, React Query, Zustand, GSAP, Framer Motion, and i18next.
- Added Playwright and Jest coverage for core product flows.

## EDUCATION

### Bachelor's Degree in Informatics Engineering

Institut Teknologi PLN | Graduated 2021

## CERTIFICATION & LANGUAGE

Microsoft Technology Associate: Database Fundamentals (2021) | English: Basic proficiency