MOCH. SUGIH NUGRAHA

Frontend Engineer | React, Next.js, TypeScript, Tailwind CSS

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SUMMARY

Frontend engineer who builds web interfaces with React, Next.js, and TypeScript for small businesses and local government: online ordering, operations dashboards, and map-based data tools. Shipped a Next.js portal that scored 95+ on Lighthouse performance and a self-service ordering flow that handled 500+ transactions in its first month. Used to remote, asynchronous work, including writing decision records for a 15-person team. Informatics student at UNSAP (GPA 3.90/4.00), graduating in 2027.

TECHNICAL SKILLS

Frontend: React, Next.js (App Router), TypeScript, JavaScript, HTML, CSS, Tailwind CSS

Data & APIs: REST APIs, Supabase, PostgreSQL, SQL, webhooks

Backend (supporting): Node.js, PHP, Laravel

Tooling: Git/GitHub, Vercel, Docker, CI/CD, Linear, n8n, LLM API integration, unit testing fundamentals

PROFESSIONAL EXPERIENCE

Product Engineer & Growth Lead May 2026 – Present
Chogo Coffee | Contract, Remote

- Built the Next.js App Router interface and Supabase data layer for an operations platform that puts POS, online ordering, attendance, payroll, and loyalty in one system.
- Launched a self-service ordering flow that processed 500+ transactions in its first month.
- Replaced a multi-day manual payroll process with a one-click dashboard report.
- Automated daily financial reconciliation with Supabase database triggers, cutting the end-of-day close from about 4 hours to under 30 minutes.

Full-Stack & Automation Engineer Mar 2026 – Present
PT Ngulik Teknologi Digital

- Built Affligen, an LLM-powered tool that turns a product image into publish-ready marketing copy, cutting content preparation from about 15 minutes to under 1 minute per asset.
- Wired Instagram publishing and a WhatsApp customer-service bot into n8n workflows; the bot handles about 70% of Tier-1 inquiries and cut typical response time from about 2 hours to under 3 seconds.

Head & Mentor, UI/UX Division 2024 – 2025
Tahungoding

- Shipped the organization's company-profile portal with Next.js and Supabase, reaching a 95+ Lighthouse performance score.
- Consolidated three internal tools into one portal serving 100+ active SME members.
- Documented technical decisions in asynchronous ADRs and coordinated a 15-person team in Linear, bringing sprint cycle time down from 14 to 10 days.
- Created and taught a UI/UX engineering curriculum for 40+ university students; placed 1st (Best Mentor) among 11 instructors.

Independent Web Developer 2021 – 2024
Freelance, Remote

- Built and deployed landing pages and small-business websites for clients across West Java, handling requirements, implementation, and deployment from start to finish.

Web Developer Intern Apr 2022 – Jun 2022
BBPPMPV Cimahi

- Developed a Laravel booking application to replace a paper-based guesthouse reservation process: 50+ reservations per week, 80% less processing time, and no double-booking errors reported.

SELECTED PROJECTS

Kedai Karuhun – Online Ordering for a Local SME kedai-karuhun.my.id
Next.js, Supabase, Vercel

- Built the customer-facing ordering app for a vegetable and fruit seller: customers browse the product catalog and place orders online instead of only in person.

SIPERTA – Land & Asset Information System Gov. of West Bandung Regency
Laravel, web mapping

- Built the map-layer views and SHP file upload that let staff load and view spatial asset data in the browser.
- Added Excel import and global search across records from several local government agencies (OPD).

Archival – AI Knowledge Base Chat Independent project
Next.js, Supabase pgvector, n8n, OpenAI/Claude APIs

- Built a streaming chat interface in Next.js with inline citations so users can trace each answer back to its source document.
- Set up the ingestion workflow behind it (n8n webhooks, embeddings in Supabase pgvector, a custom match_documents RPC); lookup dropped from about 15 minutes of manual searching to under 30 seconds.

ARSIS – Construction Project Monitoring PT Adipati Rekayasa Sistem
Laravel

- Turned a manually maintained Excel progress report into a web application with S-Curve progress tracking.

EDUCATION

Universitas Sebelas April (UNSAP) – B.S. in Informatics 2023 – 2027 (expected)
GPA: 3.90/4.00

SMKN 1 Sumedang – Software Engineering (RPL) 2020 – 2023

AWARDS, RESEARCH & CERTIFICATIONS

- **Awards:** 1st Place (2024) and 2nd Place (2025), University Innovation Challenge.
- **Research:** Co-authored “Analisis Usability Aplikasi MPP Sumedang Berdasarkan Model Jakob Nielsen dan Pengaruhnya terhadap Kepuasan Pengguna Menggunakan PLS-SEM” (English: usability analysis of the MPP Sumedang app using Jakob Nielsen's model and its effect on user satisfaction, using PLS-SEM).
- **Certifications:** Google Cloud LLM & Generative AI; Google Cloud Computing & ML (8 badges).