MUCHAMMAD NIZAR ALMAS SUKIRNO

Full-Stack Software Engineer | React, TypeScript, Node.js, PostgreSQL

Indonesia (GMT+7), open to remote international roles | nizaralmas01@gmail.com

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PROFESSIONAL SUMMARY

Full-stack software engineer who takes products from the first product requirements document (PRD) to production and keeps owning them after launch. At Sedjati Group, built the knowledge and assessment platform for all 1,500+ of its employees, and proposed and designed a multi-tenant content management system (CMS) for the group's 20+ business units. Starts from the business requirement and the data model, then builds the API, access control, and an interface that non-technical staff can run on their own.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, HTML, CSS

Frontend: React, Next.js, TanStack Start, Vite, Tailwind CSS, GSAP, Three.js, responsive UI, accessibility (Web Content Accessibility Guidelines, WCAG 2.2)

Backend & Data: Node.js, AdonisJS, Lucid ORM, REST APIs, PostgreSQL, Neon, data modeling, validation

Platform & Practices: Keycloak single sign-on (SSO) with role and group access, Docker, multi-tenant architecture, system design

Spoken Languages: Indonesian (native), English, Turkish (C1)

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer

Sedjati Group

Dec 2025 – Present

- **Knowledge platform:** Built and maintain the platform that holds every company standard operating procedure (SOP) for 1,500+ employees: SOP library, reading progress, quizzes, exams, recurring exam series, reporting, and audit log, built to WCAG 2.2.
- Engineered the exam engine for historical correctness: frozen cohort rosters, single-attempt sittings, and draw plans (full random or per-tag quota) over a reusable tagged question bank. Results feed per-tag weakness profiles used by Human Capital.
- **Multi-tenant CMS:** Proposed the project after outdated brand sites were causing misinformation; gathered requirements directly with heads of business units and designed the system from the first PRD.
- Designed a three-tier content model (global, cluster, business unit) that mirrors the company structure, so content can be shared across clusters, within one cluster, or set per unit.
- **Identity:** Integrated with Keycloak, the group-wide SSO behind every Sedjati app, using role and group access; built a bilingual FreeMarker theme for the full auth flow.
- **Delivery:** Write and run database migrations on systems in active use, verify every release in staging before production, and ship through the continuous integration and delivery (CI/CD) pipeline set up by the tech lead.

  Stack: TanStack Start, Next.js, React, TypeScript, AdonisJS, Lucid ORM, PostgreSQL, Keycloak, Docker

Software Developer

SALUT Bilge Turki (Universitas Terbuka)

Oct 2025 – Oct 2026

- Own the overseas service center's web products end to end as its sole, part-time developer; built the public site for Universitas Terbuka students in Türkiye (main build Oct to Dec 2025, maintained since).
- Chose a fully static architecture with client-side search, keeping hosting overhead near zero.
- Built the internal operations panel for semester payments, student record auditing, and staff payroll.

  Stack: Next.js, React, TypeScript, Tailwind CSS, Neon PostgreSQL

Freelance Frontend Developer

Self-Employed

Jun 2025 – Oct 2025

- Built the Labbaik Chicken brand site (Jun to Aug 2025) as its sole web developer (React, Vite): one design system for four audiences.
- Delivered the Al-Azhar Memorial Garden frontend (Aug to Oct 2025) from the owner's design in Next.js and TypeScript: mobile-first layouts and lazy-loaded imagery for photo-heavy pages.

PROJECTS

Personal Portfolio
2026

- Live at codebynizar.dev: static Next.js 16 / React 19 site with Three.js, a custom WebGL shader transition, and GSAP; keyboard accessible.

EDUCATION

Full-Stack Web Development Bootcamp
HariSenin
2023

- Six-month, full-time program. Maximum grade (4.0, all A's), one of 6 Best Score awardees out of 81; led an 8-person team to a second-place capstone.

Bachelor of Science (BSc) in Civil Engineering, not completed
Bursa Uludag University
2020 – 2025

- Left the program in 2025 to pursue software engineering full time.