

EXECUTIVE SUMMARY

Senior Software Engineer with **10+ years of software engineering experience** and **5+ years specialized in modern React and Next.js ecosystems**. Deep expertise building responsive, high-performance web frontends backed by real-world enterprise architectures, multi-tenant SaaS platforms, and transactional business systems. Proven track record designing decoupled REST APIs with Node.js and optimizing relational databases (SQL Server, PostgreSQL, Prisma). International remote contractor (W-8BEN compliant) with high operational autonomy and engineering rigor.

CORE TECHNICAL SKILLS

Frontend & UI: React 19, Next.js 16 (App Router, SSR, SSG), JavaScript (ES6+), Material UI (MUI), Responsive UI/UX, State Architecture, Client Caching	Backend & APIs: Node.js, Express.js, RESTful API Design, JWT Authentication, Role-Based Access Control (RBAC), Middleware Architecture
Databases: PostgreSQL, Microsoft SQL Server, Prisma ORM, T-SQL Stored Procedures, Relational Modeling, Query Optimization, Multi-Tenant Data Isolation	Practices & Tools: Clean Architecture, Multi-Tenant SaaS, Git, Turbopack, Agile/Scrum, Full-Cycle Delivery, Performance Profiling

PROFESSIONAL EXPERIENCE

Senior Frontend Engineer & SaaS Architect2023 — Present

Independent Software Engineering & SaaS Delivery · Remote

- Architected and delivered multi-tenant SaaS platforms (Education SaaS, Multi-Tenant ERP & POS) ensuring strict tenant isolation across UI and database schemas.
- Built component-driven frontends using React 19, Next.js 16, and Material UI, achieving sub-second load times and fluid responsive layouts.
- Engineered granular Role-Based Access Control (RBAC) layers with JWT validation for administrative, academic, and operational roles.
- Designed relational schemas in PostgreSQL with Prisma ORM and built modular Node.js REST services with comprehensive audit logging.

Modern Frontend & Full Stack Systems Specialist2020 — 2023

Enterprise Web Applications & Business Platforms · Remote / On-site

- Led the frontend modernization of legacy business platforms to reactive, modular React and Next.js web applications.
- Engineered high-precision financial algorithms for a personal loan system, implementing diminishing-balance amortization schedules with real-time recalculations.
- Developed high-throughput Point of Sale (POS) and inventory tracking web applications with barcode integration and thermal ticket printing.
- Created hybrid companion mobile applications for Android to facilitate remote field sales, warehouse inventory lookup, and order capture.

Enterprise Systems & Database Optimization Engineer2016 — 2020

National Institutional Education Systems & Registries

- Engineered and maintained core institutional administrative ecosystems processing academic registries and teacher center assignments across high-scale educational institutions.
- Authored and tuned mission-critical T-SQL stored procedures and indexing strategies in Microsoft SQL Server, significantly reducing report generation latency.
- Enforced rigorous data access boundaries and center-scoped permission restrictions for sensitive student records.

Software Development & Systems Engineer2012 — 2016

Transactional Business Software & Desktop Solutions

- Designed and developed client-server desktop applications and relational databases with high transactional integrity.
- Delivered customized point-of-sale, billing, and inventory control solutions for commercial businesses.

SELECTED PRODUCTION SYSTEMS & CASE STUDIES (NOEGONZALEZ.DEV/PROJECTS)

Education SaaS Platform	PRODUCTION · SAAS	National Education Systems	ENTERPRISE SCALE
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Multi-tenant academy management: admissions, weighted grading, tuition billing, parent portal, and tenant data isolation.

[Next.js](#) · [React](#) · [Node.js](#) · [PostgreSQL](#) · [Prisma](#) · [MUI](#)

Multi-Tenant ERP & POS PRODUCTION · SAAS

Multi-branch business ecosystem with point of sale, electronic invoicing, tiered pricing catalogs, and inventory reconciliations.

[React](#) · [Next.js](#) · [Node.js](#) · [PostgreSQL](#) · [Multi-Tenant](#)

Institutional administrative ecosystem for official academic registries, school cycles, and center-restricted access controls.

[Enterprise Architecture](#) · [SQL Server](#) · [T-SQL](#) · [Security](#)

Personal Loans & Amortization Engine PRODUCTION · ENGINE

Financial calculation engine with diminishing-balance interest formulas, dynamic installment tables, and prepayment logic.

[JavaScript](#) [Financial Logic](#) · [React](#) · [Next.js](#) · [SQL Server](#)

EDUCATION, LANGUAGES & ENGAGEMENT

Education: Ingeniería en Sistemas (Systems Engineering Degree)

Contractor Status: W-8BEN Compliant · Available for Global Remote B2B Contracting

Languages: Spanish (Native) · English (Professional & Technical Proficiency)

Availability: Immediate · CST / UTC-6 Timezone (Aligned with US & LatAm)

Verified Portfolio & Interactive Case Studies available at <https://noegonzalez.dev> · Recruiter Briefing: <https://noegonzalez.dev/hire-me>