

NICHOLAS LOPERENA

SENIOR FULL-STACK / PRODUCT ENGINEER

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SUMMARY

Full-stack product engineer with 8 years building and owning production platforms after beginning in IT support in 2015. Experienced across React/Next.js/Astro, Node/Express, PostgreSQL, API and system architecture, AI integrations, ecommerce, CRM, and lead infrastructure. Takes products from architecture through production and works closely with design, marketing, and business stakeholders to turn operational bottlenecks into measurable growth.

TECHNICAL SKILLS

Frontend: React, Next.js, Astro, TypeScript, JavaScript, HTML/CSS, Tailwind CSS

Backend & Architecture: Node.js, Express, REST API development, PostgreSQL, Prisma, Drizzle, authentication, validation, system architecture

Cloud, AI & Platforms: Vercel, Heroku, Salesforce OAuth, Microsoft Graph, Shopify/Liquid, OpenAI, Claude, Gemini, retrieval/RAG, tool calling, evals, SEO migrations, Git

EXPERIENCE

Lead Full-Stack Engineer

Apr 2024 - Present

Nexrena | Self-Employed, Part-Time Alongside Full-Time Roles | Remote

- Sole engineer behind a Next.js/Express/PostgreSQL operations platform replacing separate CRM, project management, invoicing, subscription tracking, client portal, and spreadsheet workflows with one system used in daily operations.
- Designed a multi-tenant form and chat API with site-key routing, sanitization, deduplication, PostgreSQL persistence, and an operations inbox; migrated legacy FPUSA Heroku leads into a unified CRM.
- Built grounded Gemini and OpenAI assistants with retrieval, guardrails, tool calling, and evals; modernized FPUSA procurement, quote, SEO, and lead workflows, supporting 210% organic growth and approximately 2x quote requests.

Senior Full-Stack Engineer

Jan 2025 - May 2026

Forza | Remote

- Architected the split-stack ForzaBuilt platform across Astro/React/Vercel and Express/PostgreSQL/Heroku, supporting catalog, blog, contact, newsletter, and product operations for 200+ SKUs.
- Built a secure lead pipeline with validation, honeypot protection, IP-hash rate limiting, PostgreSQL persistence, and Salesforce OAuth sync; produced 28 qualified inbound submissions in four months while sustaining 99% Lighthouse desktop performance.
- Owned migration-safe routing, redirect maps, Vercel Blob media, catalog operations, Core Web Vitals, and SEO remediation, restoring 99% SEO health while protecting existing search traffic.
- Partnered with marketing leadership, the company owner, and design to launch ForzaBuilt and Rugged Red; built Meeting Master and Manager Hub with Claude, Microsoft Graph, role-based access, and PostgreSQL. Employee of the Month, Sep 2025.

Full-Stack Web Developer

Dec 2023 - Sep 2024

VITO Fryfilter, Inc. | Orlando, FL

- Sole US technical hire; owned the Shopify storefront, custom Liquid/JavaScript, product calculator and quiz flows, smart-cart validation, testimonial integrations, and international SEO.
- Built an automated testimonial pipeline that grew published reviews from 8 to 40+ and remained in production; supported 285% year-over-year traffic growth and a 2.8% ecommerce conversion rate.

Full-Stack Web Developer & SEO Specialist

Mar 2022 - Mar 2024

Villa Marketers | Part-Time, Concurrent | Remote

- Maintained 11+ WordPress properties at 99%+ uptime and drove first-page visibility through performance tuning, technical SEO, content architecture, and internal linking.

Help Desk Administrator / Junior Developer

May 2020 - Dec 2023

Furniture Packages USA | Full-Time | Kissimmee, FL / Hybrid

- Progressed from help-desk administration into junior development, managing business systems and resolving hardware, software, account, and website issues for a small B2B team.
- Designed and developed the company's core web presence and built internal tooling and Mailchimp automations for lead handling and customer communication; later platform work continued through Nexrena.

EARLIER TECHNICAL EXPERIENCE

Help Desk Technician | Furniture Packages USA | Part-Time | Nov 2015 - Mar 2017

First technical role providing first-line hardware/software support, ticket management, remote assistance, and internal documentation for recurring issues.

EDUCATION & CREDENTIALS

UCF Coding Boot Camp - Full-Stack Web Development, Apr 2019 - Aug 2019 | UCF Cybersecurity Program, Oct 2019 - Mar 2020

Valencia College - Business Certificate, 2015 - 2016 | Authorized to work in the United States; no sponsorship required