

# COLUMBA JR NNEMEKA

Senior Product Designer · AI-Native · Full-Stack Builder

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Senior product designer who designs and ships. 10 years spanning healthcare, fintech, B2B SaaS, and AI tooling — from early-stage startups to established companies. I design end-to-end and build what I design: [NoelX](#) is a live, full-stack, HIPAA-compliant patient-recovery platform I took from concept to production solo. [Keel](#) is an AI governance layer for design systems — designed, architected, and deployed with a live demo. I use AI tooling (Galileo, Uizard, Midjourney, Claude, v0, Cursor) across the full design process, and integrate directly with the Anthropic API in production products. Strong in Figma, design systems, developer collaboration, and WCAG-compliant accessible design.

## SELECTED PROJECTS

**Keel** 2026 · AI-Native · Design Systems · Governance · Developer Tools

AI governance layer that catches design-system violations in AI-authored pull requests before they ship. Built with Next.js, TypeScript, Tailwind, Postgres, pgvector, Voyage embeddings, and the Anthropic API. Five subsystems: drift detection, parity checking (23 rules / 6 categories), Improver AI agent, trust-level policy engine, and supervision timeline. Live demo: [keel-demo-psi.vercel.app](https://keel-demo-psi.vercel.app) · [Case study →](#)

**NoelX** 2025 · AI/ML · Full-Stack · Healthcare · Fintech

AI-powered patient recovery and retention system for medical spas. Designed, architected, and built solo: 10 modules, 25 API routes, two-tier AI classification pipeline (Sonnet + Opus), Twilio SMS, Stripe billing, HIPAA-compliant data minimization, TCPA compliance, A2P 10DLC carrier registration. Zero TypeScript errors. Live: [noelx.co](https://noelx.co) · [Case study →](#)

**Clovr** 2024 · Product Design · Fintech · B2B SaaS · Data Visualization

Trade promotion management and deduction recovery platform for mid-market CPG brands. Designed end-to-end: unified deduction workspace (45-min validation → under 10 min), Gantt-style promotion calendar with retailer/SKU hierarchy, tabbed financial dashboard with 7 category views, and a component system for extreme data density — sortable tables, metric cards, slide-in detail panels. Tools: Figma, FigJam, Maze, Miro.

[Case study →](#)

**Nexora** 2024 · Product Design · B2B SaaS · CRM · Data Visualization

CRM and sales management platform. Full product design scope: information architecture, user flows, high-fidelity UI, and component system. [Case study →](#)

## SKILLS

**Design:** UI/UX · Product Design · Figma · Design Systems · Design Tokens · Wireframing · Prototyping · User Flows · Interaction Design · Usability Testing · User Research · Accessibility (WCAG 2.1/2.2) · Responsive Design · Webflow

**Build:** Next.js · TypeScript · React · Tailwind CSS · Node.js · PostgreSQL · pgvector · Stripe · Twilio · Vercel · Anthropic API

**AI Tools:** Claude · ChatGPT · Galileo · Uizard · Midjourney · Cursor · v0

**Process:** Cross-functional collaboration · Developer handoff · Stakeholder alignment · A/B testing · Research synthesis · Journey mapping · Agile / Scrum

## EXPERIENCE

**Senior Product Designer — Independent Consulting** · Remote · 2015 – Present

- Design and build product interfaces and marketing sites for founders and small teams across healthcare, fintech, logistics, and consulting — from discovery through live deployment
- Recent engagements (2025): B2B SaaS product design, design system buildouts, and Webflow implementation for companies without a dedicated developer
- Designed and shipped NoelX (live, full-stack, HIPAA-compliant) and Keel (AI governance tooling with live demo) as solo designer-builder projects — concept to production
- Consistent client feedback: designs are clear on first use, require minimal revision after handoff, and ship on schedule

**Product Designer — Dauntless Agency** · Remote · Jan 2024 – Oct 2024

- Designed end-to-end user flows, wireframes, and prototypes that tightened stakeholder alignment and reduced design-to-approval cycles by 20%
- Built and maintained a component-based design system with documented design tokens, adopted across the full product team
- Delivered responsive website interfaces focused on conversion, clarity, and production fidelity; collaborated directly with engineering throughout

**Product Designer — ZTERS** · Houston, TX · Jan 2023 – Dec 2023

- Redesigned core interface structure and user flows, driving a 22% increase in engagement
- Designed accessible UI components and layouts across product and marketing surfaces, meeting WCAG 2.1 AA standards
- Partnered directly with engineering to ship responsive, production-ready screens on time

**Product Designer — American Medical ID** · Houston, TX · Dec 2021 – Nov 2022

- Led redesign of critical user flows for a healthcare e-commerce product, increasing satisfaction scores by 25% post-launch
- Ran usability testing sessions with patients and caregivers; translated findings into concrete navigation and interaction improvements
- Built a reusable, WCAG-compliant component library that shortened development cycles across future releases

**Lead Designer — SMG Mobile** · Wilmington, SC · Mar 2018 – May 2020

- Owned design end-to-end across multiple web products — from discovery through developer handoff
- Established a design system that reduced revision rounds by 30% and became the team's single source of truth for UI standards
- Collaborated with developers to deliver consistent, responsive user interfaces across platforms

## EDUCATION

**B.S. Biology** · University of Houston · 2018 – 2020

Analytical and systems thinking foundation applied directly to healthcare product design — particularly useful at American Medical ID and in the HIPAA compliance architecture of NoelX.

**A.S. Biology** · Houston Community College · 2016 – 2018