

Venkat Nithin | Full Stack Developer

Location: India | Email: venkatnithinprof@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Full-Stack Developer and SaaS Engineer specializing in end-to-end product development (architecture to deployment). Expert in Next.js 15, MERN stack, and production systems with a focus on robust API design, security (JWT/CSRF), and high-performance UX (CLS reduction).

SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript, Python, React 19, Next.js 15 (App Router), Node.js, Express.js, Tailwind CSS (v4), shadcn/ui

Databases & State: MongoDB (Mongoose ODM), SQL (PostgreSQL), Prisma ORM, TanStack Query (v5), Zustand

Security & Authentication: JWT (HttpOnly Cookie Rotation), NextAuth.js, OAuth (Google), Helmet, CSRF Protection, Route Guards/Middleware

DevOps, Testing & Tooling: Playwright (E2E Testing), Zod, Git, Cloudinary (Image CDN), Resend, n8n (Automation), PWA (Service Workers, Offline Caching), Vercel, Railway

PRODUCT EXPERIENCE

AOMI Editorial – Photographer Portfolio Marketplace | [Aomi-Editorial](#) | [Github](#) | [Blog](#)

- **Domain-Driven Architecture:** Architected a Next.js 15 app using Feature-Sliced Design (FSD) for modular state management, query hooks, and views.
- **Optimized Upload Pipeline:** Automated high-res image compression and transformations using Cloudinary API, significantly reducing image payload size and data transfer overhead.
- **Bento Grid Customizer:** Designed an interactive bento portfolio builder with aspect-ratio constraints and Next.js Image caching, reducing layout shift (CLS) to 0.
- **Hardened Security & Testing:** Implemented HTTP-Only cookie JWT session rotation and CSRF protection, validated by automated Playwright E2E suites.

DueClock - SaaS Compliance Tracker (PWA) | [Due-Clock](#) | [Github](#) | [Blog](#)

- **Mobile-First Core Functionality:** Architected a Progressive Web App (PWA) with NextAuth (Google OAuth) and Service Workers to manage tax compliance schedules.
- **Bulk Data Processing:** Designed a client-firm relation schema in MongoDB supporting CSV imports/exports (Zod-validated) to enable bulk data processing for hundreds of client records in seconds.
- **Role-Based Access & Team Management:** Implemented a multi-tenant architecture with role-based access for admin and staff with activity tracking.

TECHNICAL WRITING | [Blog](#)

Authored in-depth technical documentation, API guides, and architectural blogs (e.g., FSD implementation, performance optimization) for AOMI Editorial and DueClock.

EDUCATION

Bachelors - Computer Science and Engineering | Govt. Sri Krishnarajendra Silver Jubilee Technological Institute | 2021 – 2025 | GPA: 8.0/10