

**Jonathan Sansó | Full-Stack Developer (React/Next.js, Node.js/NestJS) | Multi-tenant SaaS (Supabase/Postgres RLS) | POS/Orders & Data Integrity | AI Document Automation | Security-first**

Core strengths: Tenant isolation & **RBAC** (RLS/Policies), POS/Orders lifecycle, Inventory/Stock integrity, **Complex UI & forms** (modals, validation, state management), **Maps/GIS integrations** (Google Maps/Leaflet), Reporting exports (PDF/Excel), Secure integrations; AI document **intelligence** (OCR/NLP/STT), Cryptographic verification (**HMAC/JWT**), Security controls (**MFA, CSRF**, Rate limiting).

Stack: Next.js/React, TypeScript, Tailwind, Supabase/PostgreSQL (RLS, Triggers, RPC), NestJS/Node.js, Prisma, Python (FastAPI, Pandas), Docker, NGINX/Linux, AWS, Terraform.

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## Professional Experience:

**Ocean Stack - Full-Stack Developer (Multi-tenant SaaS for restaurants & bars)** | Dec 2025 - Present  
live at: <https://niappa-restaurant.vercel.app>

1. Shipped weekly product increments in a structured delivery loop: **Figma as source of truth**, daily alignment with **CTO + Project Manager**, iterative releases, and UX/UI polishing (**Next.js, TypeScript, Tailwind**).
2. Implemented tenant-safe isolation and role-based permissions across modules so each business only sees and mutates its own data (**Supabase Postgres, RLS/Policies**).
3. Delivered operational back-office flows (products, ingredients, stock, counts, suppliers) with strong data consistency guarantees via DB automation and indexed workflows (**Postgres triggers, indexes, SQL/RPC**).
4. Implemented orders at scale: table sessions + split checks, resilient order lifecycle, and safe **edit/void/restore** flows that keep **stock accurate** end-to-end (**RPC, transactional integrity, idempotent stock adjustments**).
5. Delivered reporting exports used by operations: **PDF/Excel (sales + cash/audit)**, plus productivity-focused **UI** improvements (search, sorting, confirmations, ES/EN i18n) (**PDF/Excel generation, i18n, UI state management**).

**Argentine Federal Penitentiary Service - Full-Stack Developer / AI Engineering** | Jan 2024 - Present (*Private repos on request*)

1. Led delivery of a **two-platform ecosystem** (internal operations platform + public verification portal), ensuring **secure data flows**, consistent reporting, and **controlled access** for multiple stakeholders (**React, Next.js, TypeScript, Tailwind, NestJS and Prisma**).
2. Built an AI-assisted document intelligence pipeline to extract and summarize information from scans/images/audio, enabling auto-completion and human-in-the-loop review (**Python, FastAPI, Tesseract OCR, NLP, Speech-to-Text**).
3. Automated operational reporting outputs (PDF/Excel/Word) with charts, filters, and standardized formatting to replace manual workflows and accelerate decisions (**PDF/Excel/Word generation, TypeScript, Pandas**).
4. Engineered secure document verification and time-limited access for externally shared reports using **cryptographic validation** and anti-exfiltration controls (**watermarking + restricted actions**) (**HMAC-SHA256, JWT (HS256)**).
5. Implemented end-to-end security across both platforms: authentication with **MFA, CSRF protection, input sanitization, rate limiting**, and hardened HTTP controls (**Auth0 2FA, CSRF, Helmet/CORS, rate limiting**).
6. Delivered reliable deployments and continuity via containerized infrastructure, **reverse proxying**, and automated backups on self-managed Linux servers (**Docker, NGINX, Debian/Linux**).
7. Built a secure integration layer for internal↔external workflows with signed requests, **idempotency**, clock-skew validation, and file integrity checks (**signed API, idempotency keys, clock-skew validation, SHA-256 integrity**).

**VirtuaState - Frontend Developer** | May 2022 - Jul 2022

1. Built a responsive marketing/portfolio site for a VR/AR studio, improving discoverability and load performance through SEO and performance optimizations (**HTML5, CSS3, JavaScript, mobile-first**). Live: [www.virtuastate.net](http://www.virtuastate.net)

## Education:

**Higher Degree in Programming - Teclab** | Aug 2022 - Aug 2024

1. Completed a higher-education program covering software fundamentals and delivery practices, including databases, web development, UX, cloud basics, and project management (**SQL, Web Development, UX, AWS fundamentals, Project Management**).

**Full-Stack Web Development - CoderHouse** | Jan 2022 - Mar 2023

1. Delivered multiple end-to-end projects on schedule, covering frontend and backend foundations and web app architecture (**HTML5, EJS, CSS/SASS, React, Node.js, MongoDB, Express, GraphQL**). Live at: <https://react-e-commerce-j-sanso.vercel.app>