

Jonathan Sansó - Frontend - Backend - Higher Degree in Programming

React | Next | TypeScript | Tailwind | NestJS | Prisma | MySQL | PostgreSQL | MongoDB | Nginx | Docker | Putty

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📁 Professional Experience

1- Argentine Federal Penitentiary Service (Jan 2024 – Present)

a. Institutional Platform for Complex Events — Frontend, Backend

Lead developer of a national-scale internal platform. I digitalized operational workflows through dynamic forms with advanced validations, file uploads, custom modals, and resizable image croppers. Migrated Excel sheets to MySQL using automated Prisma scripts, and integrated interactive maps with Leaflet and Google Maps to display events and zones. Built automated PDF, Excel, and Word reports with statistical charts and temporal-spatial filters. Added automated WhatsApp messaging for operational alerts.

The stack includes TypeScript, Next.js, Tailwind, NestJS, Prisma, MySQL, Docker, and NGINX on Debian server. I implemented a secure architecture with Auth0 + 2FA, multi-tab session handling, CSRF protection, input sanitization, rate limiting, strict CORS, and HTTP policies using Helmet. The system is fully dockerized behind an NGINX reverse proxy and features automated database backups and modular static file handling. The platform runs in a self-managed Linux environment with high security and performance.

b. Ticketing System — Frontend, Backend

Built an internal PHP + MySQL web app to report hardware/software issues and allow IT staff to manage tickets. Google SSO was implemented for authenticated access.

2- VirtuaState (May 2022 – Present)

a. Designed and developed a responsive website for showcasing VR, AR, and 3D renders, helping the client present their portfolio in an engaging, modern way: www.virtuastate.net

🎓 Education

1. Higher Degree in Programming — Teclab (Aug 2022 – Aug 2024)

Subjects: Programming Logic, Time and Work Organization, SQL Databases, User Experience, Configuration Management, Cloud Operations (Cloud Practitioner), Web Programming (JavaScript and PHP), People Management, Web Integrations, Information Systems Design, Development Interfaces, Efficient Decision-Making and Problem Solving, Project Management and Mobile Programming (Java).

2. Frontend – Backend — CoderHouse (Jan 2022 – Mar 2023)

Delivered all projects on time using HTML5, EJS, CSS, SASS, React, Node.js, MongoDB, Express, and GraphQL, as seen at <https://react-e-commerce-j-sanso.vercel.app>

🔗 Additional Information

- English level: B2 · Open to freelance and contract work.
- Capable of delivering end-to-end solutions in self-managed Linux environments.