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

- Servicio Penitenciario Federal Argentino (Jan 2024 – Present)

1.   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.

2.   Ticketing System — S.P.F.

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**.

- VirtuaState (May 2022 – Present)

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.   Fullstack Development — 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**.