**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)**

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.

**b. 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**.

**2- 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**](http://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).

1. **Fullstack Development — CoderHouse (Jan 2022 – Mar 2023)**

**a.** 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**](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**.