

Lázaro Sánchez

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Passionate about best practices, secure development, and low-level technologies. Experienced in building scalable web applications and eager to apply strong Linux, scripting, and security skills in professional environments.

EXPERIENCE

DevelopsToday

Sep 2024 - Mar 2025

Full-Stack developer

- Developed features for Dimmo, an AI-powered demo creation platform, and Plotr, a business analytics tool utilizing geospatial data.
- Focused primarily on Plotr, integrating Mapbox, Martin Tile Server, and AWS services (Containers, S3, Lambda) for efficient map-based data visualization.
- Managed large-scale data processing, handling huge files and designing efficient ETL processes to insert and manipulate massive datasets in PostgreSQL.
- Created custom PostgreSQL functions to serve tiles dynamically, optimizing spatial queries for seamless user interactions.
- Developed robust backend APIs and optimized performance using NestJS and JavaScript, ensuring high availability and efficient data flow.
- Led efforts in Mapbox configuration management, improving rendering efficiency and geospatial analytics.
- Collaborated closely with cross-functional teams to enhance system scalability and implement best practices for cloud-based applications.

El Dorado Research Group

May 2024 - Sep 2024

Full-Stack developer

- Led backend development: Served as the principal backend developer, designing a new database to facilitate a seamless migration process and helped to accomplish a migration from a Python (Django) server to a new one.
- Developed interactive UI and API endpoints: Created user flows, including signup and user sessions, and built interactive UI elements and endpoints for data consumption
- Contributed to successful system migration: Played a key role in helping "Cleatus" (AI US Government contracting tool) achieve a successful system migration
- Resolved critical issues: Addressed urgent and unexpected issues promptly to maintain a high-quality user experience.

Freelance & NoCountry

Feb 2022 - Sep 2023

Full-Stack developer

- Engaged in full-stack development across multiple web applications, collaborating with clients and teams in diverse environments.
- Contributed to projects like Americana (e-commerce), Managym (gym management app), and Wave (dating app), focusing on UI/UX enhancements, database design, and system architecture.
- Delivered high-quality freelance projects, including a promotional site for a key client and Farmavet, an e-commerce platform for animal medicine distribution across Argentina.
- Gained valuable experience in AGILE methodologies, API development, and frontend/backend integrations using React, Node.js, PostgreSQL, and GraphQL.

Technologies, Tools & Cloud Services

- Frontend: Next.js, React, Angular
- Backend: Node.js, NestJS, Python (as backend)
- Geospatial & Mapping: Mapbox, Martin Tile Server
- Cloud & DevOps: AWS (Containers, S3, Lambda), Docker
- ORMs & APIs: Drizzle, GraphQL, REST APIs

Ongoing Education & Training

- Associate Degree in Computer Networking.
- Linux Networking & Cybersecurity.
- Linux administration, bash scripting, network configuration, firewall setup, intrusion detection.

Programming & Databases

- Languages: JavaScript, TypeScript, Python, Bash.
- Databases: PostgreSQL, MySQL, MongoDB.

Certifications & Training

- EFSET English Certificate (C1 Advanced)
- Angular 17, Advanced React, Webpack, NestJS
- TypeScript (OOP, Asynchronous programming, Advanced types and functions)
- Foundations of Data Engineering & Databases
- Python Courses: Virtual Environments, Error Handling, Comprehensions
- Git & GitHub, Terminal & Command Line
- Scrum & Agile Methodologies