

Isaac Antonio Arcia Castro

Web Developer

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About

Web developer experienced in building modern web apps with TypeScript (React, Svelte), Python backends, and PostgreSQL. Proficient in API design with Strawberry GraphQL and deploying on AWS EC2 instances and S3 buckets.

Experience

Desarrollo Integral Nicaragua

Web Developer August 2023 - March 2024

- **Database Automation:** Co-developed a script that automatically scraped data from Google Sheets and converted it into a PostgreSQL database for seamless backend integration.
- **API Development:** Created an API using Python, psycopg2, and Strawberry GraphQL, ensuring efficient data retrieval and manipulation.
- **Front-End Collaboration:** Assisted in designing and building a React application using TypeScript and Tailwind, focusing on performance and UI/UX design.

Ecuación Futuro Nicaragua

Frontend Web Developer April 2024 - July 2024

- **Web Application Development:** Developed and deployed a web application using Svelte, TypeScript, and Tailwind, delivering a fast, responsive, and visually appealing user interface.
- **Cloud Deployment:** Deployed the application on an AWS EC2 instance using Nginx, ensuring reliable performance and accessibility for end users.
- **Frontend Optimization:** Focused on optimizing the app's performance, responsiveness, and cross-browser compatibility.

OptiGrow Consulting Group Nicaragua

Frontend Web Developer September 2024 - October 2024

- **Svelte Application Development:** Developed a dynamic web application using Svelte, TypeScript, and Tailwind, ensuring an efficient, user-friendly interface tailored to client needs.
- **AWS Cloud Deployment:** Successfully deployed the application on an AWS S3 Bucket, optimizing infrastructure for scalability and high availability.
- **UI/UX Enhancement:** Focused on improving user interactions by fine-tuning design elements, responsiveness, and load performance across different browsers and devices.

Education

Universidad Nacional de Ingeniería Managua, Nicaragua

Electronic Engineering - Present

Languages

- **Spanish:** Native
- **English:** C1

Skills

- **Software:**
 - Google Workspace, Squarespace
 - Linux, SSH
 - Neovim for coding, Git, and GitHub for version control

- **Hard & Soft Skills:**

- Web development: React, Svelte, TypeScript, Tailwind, PostgreSQL
- Backend development: Python, psycopg2, Strawberry GraphQL
- Cloud deployment: AWS EC2, S3
- Linux sys admin: Shell scripting
- Multithreaded programming
- Problem-solving, communication, teamwork

Certifications

CS50x through CS50x.ni, June 2020
Harvard University