

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. Experienced with cloud infrastructure on AWS and Google Cloud

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.
- UI/UX Enhancement: Optimized performance and responsiveness, improving load times and cross-browser support for better user retention.

SeniorThrive Remote

Frontend Web Developer April 2025 - Now

- React Application Development: Developing a SaaS web application with CRUD capabilities. Designed and implemented a **role-based membership management system**, enforcing authorization both client- and server-side.
- API Development: Implemented an API using Python with GraphQL and FastAPI for CRUD operations and external services, such as recommending tailored Amazon products and YouTube videos based on AI analysis.
- Cloud Infrastructure: Built a dual access token system between Supabase and Auth0, improving security and seamless user authentication across services.

Education

Universidad Nacional de Ingeniería Managua, Nicaragua

Electronic Engineering - Present

Languages

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

Skills

- **Tech Stack:**
 - **Frontend:** React, Svelte, TypeScript, TailwindCSS
Responsive UI/UX design, performance optimization
 - **Backend:** Python (FastAPI, Strawberry GraphQL)
PostgreSQL, psycopg2
API design, CRUD operations, data modeling
 - **Cloud & Infrastructure:** AWS (EC2, S3, deployment with Nginx)
Google Cloud Platform
Supabase, Auth0 (authentication & cross-service access)
 - **DevOps & Tools:** Linux system administration, SSH, shell scripting
Git, GitHub (version control, team workflows)

Certifications

CS50x through CS50x.ni, June 2020
Harvard University