DIEGO ROMERO

FULL-STACK WEB DEVELOPER

Managua, Nicaragua / +505 8641 7096 / dfrn2003@gmail.com

diegoromero.dev

Work Experience

Storefront POS

PRESENT

Founder and Full-stack Web Developer

storefrontpos.com

- Founded and developed Storefront POS, a commercial retail platform used by businesses in Nicaragua, owning web, desktop, backend, and integrations.
- Delivered **1**2 modules covering Point of Sale, Sales, Inventory, Purchasing, **BAC CREDOMATIC** (**Local bank integration**), Customers, Finance, Marketing, Accounting, Security, Audit, and Settings.
- Built **React**/**TypeScript** interfaces with **Vite**, **TanStack Router**, **TanStack Query**, and shared UI components for business operations and reporting.
- Engineered an **Electron** checkout app with **offline sales** stored locally and synchronized on reconnection, plus **ESC**/**POS** thermal printing through **USB** and system printers.
- Integrated **BAC Credomatic payment terminals** for **card sales** and **refunds**, connecting **physical checkout hardware** with application workflows.
- Implemented **inventory across warehouses and branches**, **transfers**, **stock counts**, **supplier purchases**, **receivables**/**payables**, **journal entries**, and **financial statements**.
- Built customer **loyalty programs** and **gift cards**, **Better Auth** authentication, **role-based permissions**, and **audit trails** recording users, changes, and previous values.
- Architected a **Bun**/**Turborepo** monorepo with **Hono**, **tRPC** APIs, **PostgreSQL** and **Drizzle**, and **Redis** for **shared state** and **messaging**, with separate business services.

Ahinko International

OCT 2024 - PRESENT

Full-stack Web Developer

- Maintain a **membership portal for travel agents**, with a custom **WordPress** theme (**PHP**, **Tailwind**, **jQuery**) and a custom **Node.js**/**Express** API. Manage integrations with **car rental**, **hotel booking**, and other **travel providers**, plus **Salesmate**, **Mailchimp**, **MemberPress**, **Sticky**, and **Checkout Champ**. Orchestrate workflows and data exchange using **Zapier**, custom **APIs**, and **webhooks**.
- Created a frontend in **React.JS** for an internal application to be sold in the future. The frontend connects with a **REST API** created with **FastAP** (**Python**)**.** I created the frontend using **React.JS**, **Tailwind**, **Tanstack Router, React Query v5, Typescript.** I am using the **OpenAPI**(**Swagger**) spec to auto generate the types.
- **Led the migration** from **LimeLight**/**Sticky.io** to **Checkout Champ**, transitioning **subscription billing** to the new platform.
- Built a **React** frontend backed by **FastAPI** for a mechanic shop, handling **vehicle intake**, **owner notifications** and **status updates**, and **signed vehicle receipt forms**.

Ahinko International (continued)

Full-stack Web Developer

Unified Business Intelligence Platform

- Developed a unified data platform integrating **CRM**, **subscription billing**, **marketing attribution**, and **referral systems** into **Google BigQuery**.
- Built **Python ingestion pipelines** and **layered SQL transformations** to clean, reconcile, and connect customer data across systems.
- Developed a **Next.js** and **TypeScript analytics portal** for exploring membership performance, revenue, and marketing attribution.
- Automated cloud infrastructure and deployment workflows using **Terraform**, **Google Cloud Run**, and **GitHub Actions**.

Validia AI

ENE 2026 - JULY 2026

Full-stack Web Developer - Part Time/ Freelancing

- Working in a fast paced environment, with changing requirements. building AI focused UI, with **ReactJS and FastAPI.**
- Built a **Chat Demo UI** using **Google AI SDK.** I implemented **tool calling** and **code execution**. Built both the backend and the frontend
- Building labs UI using **ReactJS,** to easily show **distillery attacks prompts** and results. I integrated with **Hugging Face API**
- Implementing Cross App authentication. Initially with **Better Auth.** and later on using **WorkOS**
- **Orchestrated multiple AI Agent** to build a R**esearch Pipeline for training a fine tuned model.**
- Built an **AI Data Recollection Platform** on sales person machine, to infer what works or not as a sales strategy. Built with **FastAPI, React, Shadcn**

American Nicaraguan School

JUNE 2024 - OCT 2024

Full-stack Web Developer

- Successfully launched an app to allow parent's to easily and securely enroll their children in after school activities. It was built with **Next.js** for the frontend, and **Node** for some services. It is using a **Turborepo monorepo.** I used **tailwind** for styling.
- Created an app to keep track of the clinic's medical record. The students are searchable by grade or ID. It sends automatic emails to parents and directors when a kid visits the clinic, or when certain procedures or medicine need to be given. It **encrypts all data using AES 128, and** it also creates beautiful graphs to analyze the "health status" of the school and help detect environmental factors. **The technologies used are Next.js, Node, Tailwind, PostgreSQL, Turborepo, Typescript and TRPC.**

Ostuma Consulting

2021 - 2023

Junior Consultant and Freeelancer

- Made two natural language processing (NLP) classification AI models, using **Python.** It had an API so that other services could interact with it. The API was built with **Django**

Ostuma Consulting (continued)

Junior Consultant and Freeelancer

- Created a **bot** that scraped government tender offers, to filter the ones relevant for the company's business and select the most relevant to win. I used **python** for the scraping.
- Coded a software that allowed to have **secure anonymous chat meetings**, where messages could be classified, voted, and merged. It used **React** in the frontend, and **Django** with a **GraphQL API** in the backend. Deployed in **AWS EC2**
- As a junior management consultant, I analyzed client processes and requirements, and presented recommendations for continuous improvement using **BPM** and **BPMN** to optimize business operations

Smart Billing Integrated System

2019 - 2021

Junior Developer

- I was part of a team responsible for the Inventory and POS System. I contributed in the backend (we used **C#**) and in the frontend. I was mostly responsible for creating endpoints for the inventory module.
- Created an internal (slack-like) messaging system using **Django** and **React.**

Notable Freelance

2018 - 2024

- I developed a web app where a local grocery store's clients could order online and get their orders delivered. Using **Next.js** and **SQL Server.**
- Web application where people can apply for jobs for a company. Built with **Next.js** and connected to a **SQLServer Database.**
- Designed two curriculums to teach programming for a local technology education company. One of them was for kids, using **Minecraft education**; the other one designed for Teens teaches **Django and React.**

Education

Keiser University
2020 - 2024
Bachelor's of Software Engineering. United States' degree (Florida).
Granted the biggest scholarship. Helped to develop robotics curriculum. As dean assistant.
Founded the Software Engineering club. Started and planned the first SE Fest that is now held every year.

Skills

Typescript / Javascript, React.js, Next.js, Node, Serverless / VPS, GraphQL / Rest / TRPC / ETL / ELT, PostgreSQL /MySQL, WebHooks, Python, Django, Git, Docker, Zappier

Languages

English: Fluent (C1 / C2). Spanish: Native