Emmanuel Olivo

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Software engineer and hands-on technical lead with 8+ years of experience building web and mobile products with React, Next.js, TypeScript, and React Native. Managed a team of five engineers for just over three years. Builds full-stack applications, payment integrations, and AI workflows for document extraction and grant review.

Professional Experience

Ruby Red Hospitality (formerly Perspective Hospitality) **Nov 2019–Dec 2020 | Jan 2025–Present**

Front End Web Developer and Senior Software Engineer | McAllen, TX / Remote

- Built and launched Atlas, an operations platform for hotels and restaurants that centralizes forecasting, revenue reporting, purchasing, and maintenance with role- and property-based access.
- Led frontend development for EnjoySPI's booking platform using Next.js and Redux. Migrated checkout to Stripe Payment Intents, added safeguards against duplicate charges, and automated collection of remaining balances.
- Deployed self-hosted Qwen with OpenAI fallback in Atlas for report extraction, guest review reply drafts, and maintenance photo descriptions.
- Built an OAuth-secured MCP server that lets owners query Atlas operations data from Claude with read-only access.
- Automated supplier price extraction from PDFs with the Claude API and built a Claude Code workflow for drafting Mailchimp campaigns.
- Built a bilingual direct-booking website for La Copa Inn in Next.js and tested accessibility with Playwright and axe-core.
- Integrated Guesty for live condo pricing and availability and automated deployments across AWS Amplify, App Runner, and Elastic Beanstalk.
- Rebuilt SearchTexasTax, a paid B2B SaaS platform covering about 128,000 properties using Next.js and Supabase. Migrated legacy accounts and Stripe subscriptions and corrected data matching to restore about $162 million in reported hotel revenue across roughly 512 properties.

WealthCharts | Senior Front-End Software Engineer **Feb 2021–Mar 2024**

- Managed a team of five engineers for just over three years. Led hiring, training, and code reviews, and oversaw branch merges and web and mobile releases.
- Led the React redesign of a trading platform and built drag-and-drop layouts that traders could customize. Developed internal admin tools with React, TypeScript, Vue, Angular, and PHP.
- Built the React Native mobile app and managed its releases on the App Store and Google Play.

Imagine It Studios | Developer **Jul 2018–Mar 2019**

- Built client websites and e-commerce storefronts using React and WordPress. Provided SEO and ongoing site maintenance for approximately 20 clients.

TechCtrl | Lead Developer **Mar 2017–Jun 2018**

- Built WordPress sites for local businesses and taught web and iOS development workshops.

Nonprofit Experience

McAllen Education Foundation | Technology Volunteer **Feb 2024–Present**

- Configured fundraising campaigns and donor engagement workflows in Givebutter, migrated about 300 records, and embedded donations on the foundation's website.
- Built MEF Grant AIDE, an AI-assisted Python pipeline that screened 254 Jotform applications, extracted evidence from budget PDFs, and generated 119 provisional rubric scores. Kept applicant identities out of scoring and exported flagged cases for committee review, cutting review preparation from weeks to about two hours.
- Restructured the foundation website around grants, donations, sponsors, and events and set up administrative email.

Unfolded Poetry Project | Director of Technology and Culture **Jan 2022–Present**

- Built and managed the nonprofit's WordPress site, integrated Givebutter for online donations, and set up analytics for fundraising and outreach.

Education and Skills

BS in Computer Engineering, The University of Texas Rio Grande Valley | Dec 2016

React, Next.js, React Native, TypeScript, Redux, Node.js, Express, Python, PHP, WordPress, PostgreSQL, MySQL, Redis, AWS, Supabase, Stripe, Playwright, Claude API, OpenAI API, MCP. English (fluent), Spanish (native).