

JUAN GERARDO AVENDAÑO CALDERÓN

Jr. Back-End Developer & Data Analyst

React || JavaScript || TypeScript || MongoDB || Backend Dev

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PROFESSIONAL PROFILE

Results-oriented Full-Stack Developer. Unique combination of **advanced technical skills** and business management experience as an entrepreneur. Specialized in transforming complex problems into **intuitive and scalable solutions**, with a proven approach to improving processes (up to a **25% increase in efficiency**). Passionate about continuous learning and creating value through technology.

TECHNICAL SKILLS

Front-End

- React.js (Hooks, Context API)
- JavaScript (ES6+)
- HTML5 / CSS3
- Tailwind CSS
- Responsive Design

Back-End

- Node.js / Express
- Python
- Java
- RESTful APIs
- JWT/OAuth Authentication

Data & DevOps

- PostgreSQL / MySQL
- MongoDB
- Git / GitHub
- Render / CI-CD

PROFESSIONAL EXPERIENCE

CO-FOUNDER & DATA ANALYST | Grocery Store

January 2020 - September 2023 | Mexico City

- ▶ Led the **digital transformation** of the business, implementing an automated inventory system with **Javascript and PostgreSQL** that increased product turnover by **25%** and reduced losses due to expiration.
- ▶ Automated monthly reports with Javascript, reducing report generation time by **60%** (from 8 hours to 3 hours).
- ▶ Designed and implemented a customer loyalty system that increased recurring purchases by **40%** in 6 months.

FEATURED PROJECTS

PROFESSIONAL PORTFOLIO (*React / Tailwind CSS / GitHub API*)

- ▶ **Modern and fully responsive** design with dark/light mode and WCAG AA accessibility.
- ▶ Integration with **GitHub API** to display repositories in real-time with filters by technologies.
- ▶ Implementation of **CI/CD with Netlify** for automatic deployment with each commit.
- ▶ Integrated **technical blog** system with Markdown.

AUTOMATED INVENTORY SYSTEM (*Javascript / PostgreSQL / MongoDB*)

- ▶ Complete inventory management solution that reduced control time by **40%**.
- ▶ Integration with **electronic invoicing** and automatic generation of purchase orders.
- ▶ **Predictive alerts** system for stock replenishment based on sales history.
- ▶ Administrative dashboard with **key metrics** and trends.

EDUCATION

FULL-STACK CODING BOOTCAMP

Tecnológico de Monterrey | 2024-2025

- ▶ Specialization in web application development with **MERN Stack** (MongoDB, Express, React, Node.js).
- ▶ Final project: Psychological tracking platform for users with multiple applications

 [View deployment on Render](#)

PETROLEUM ENGINEERING

IPN - ESIA Ticomán | 2015

LANGUAGES

- ▶ **Spanish:** Native
- ▶ **English:** Advanced