

Edgar Andres Hidalgo Hernandez

Front-End Developer

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Professional profile

Front-End Developer with over five years of experience building scalable and high-performance web applications using React, Next.js, and TypeScript. Proven track record of working with reputable organizations such as Zurich, MetLife, and the Guadalajara city government. Skilled in designing and implementing reusable, responsive UI components, optimizing performance through server-side rendering (SSR), lazy loading, and maintaining clean architectural principles to ensure the delivery of pixel-perfect interfaces that meet product specifications. Recently completed a nine-month Data Science Bootcamp focusing on Python, SQL, and Machine Learning, which enhanced analytical thinking and data-driven problem-solving skills to support development projects.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL.

Frontend: React (Hooks, Context API, Server Components), Next.js (App Router, SSR, API Routes), Redux Toolkit, Tailwind CSS, Ant Design, ECharts, Bootstrap, LESS, Styled Components.

Backend & Tools: RESTful APIs, Git, GitHub Actions, VS Code, Jira, Trello, Agile/Scrum.

Testing & Performance: Jest, React Testing Library, Cypress, Lighthouse.

Data Science (complementary): pandas, scikit-learn, Streamlit, Plotly, LightGBM, CatBoost, Matplotlib.

Experience

Front-End Developer, Atlantia Search | Startup | CDMX

Sep 2022 – May 2024

Responsibilities:

- Develop and maintain the company's core platform using React (Context API & Hooks) and Next.js within the Scrum framework, delivering on defined objectives.
- Design, integrate, and maintain reusable, accessible UI components such as modals, filters, result cards, and tables in accordance with WCAG 2.1 and a mobile-first approach.
- Optimize bundle size and performance using code splitting, lazy loading, and Clean Architecture practices.
- Assist with other projects by identifying and resolving bugs, as well as implementing new features.

Achievements:

- Resolved a major login problem by integrating NextAuth into the production build.
- Built over 40 reusable, responsive, and accessible UI components.
- Reduced Time to Interactive (TTI) by 25% through adopting Server-Side Rendering (SSR).
- Implemented a role-based access control (RBAC) system.

Front-End Developer, Interware de Mexico | IT Consulting Firm | CDMX

Nov 2019– Aug 2022

Responsibilities:

- Develop responsive web applications, such as ticketing systems, automatic quote generators, and end-to-end systems, for various clients using React and Next.js.
- Developed and integrated more than 20 real-time monitoring dashboards using ECharts for the IW Robot automation tool.
- Integrate modules via RESTful APIs and manage state with Redux or Context API.
- Follow Agile/Scrum methodologies and meet objectives within estimated timelines.

Achievements:

- Delivered over six intuitive, responsive web user interfaces for various clients.

- Delivered real-time dashboards for IW Robot, enhancing operational visibility.
- Successfully integrated the front end with RESTful APIs and improved state management with Redux.
- Delivered a fully functional real-time monitoring system in just two months with a team of two developers.
- Collaborated with the UX team to design prototypes for projects at Nacional Monte de Piedad and MetLife.

Projects

Atlantia Search - Shelftia | 2022 - 2024

Shelftia

- Description: Cloud platform for real-time retail and e-commerce audits, enabling monitoring of prices, promotions, and stock across multiple online channels.
- Technologies: React, Next.js, Node.js, RESTful APIs, Agile/Scrum, Ant Design, ECharts.
- Responsibilities:
 - Develop and integrate new components and features into the application to improve its functionality.
 - Build UI components that match Figma designs with pixel-perfect accuracy.
 - Implement real-time dashboards for price monitoring and market analysis.
- Achievements:
 - Enhanced site performance through the implementation of SSR (Server-Side Rendering).
 - Integrated NextAuth into the production environment.
 - Implemented over 35 new features using Scrum methodology.

Atlantia Search - Couriers | 2024

Couriers

- Description: Web application for capturing and monitoring food delivery orders, providing real-time metrics and downloadable documents for market analysis.
- Technologies: React, Next.js, Node.js, RESTful APIs, Agile/Scrum.
- Responsibilities: Design, develop, and implement the application's functionality from scratch to meet the project manager's requirements.
- Achievements: Delivered a fully integrated project with over 20 UI components in 2 weeks, deployed on Vercel, and actively used by more than 30 agents.

Interware - Quote calculator | 2022

Calculator

- Description: Web-based simulator that helps users quickly estimate vehicle loan amounts based on make, model, year, trim, and mileage.
- Technologies: React, React Hooks, NextJs, Bootstrap, Less.
- Responsibilities: Develop a user interface with over 10 modules, including tables, forms, and integration or consumption of third-party APIs, following Scrum methodology.
- Achievements:
 - Improved user experience by offering real-time support channels.
 - Increased customer engagement and interaction through gamified elements.

Education

Tripletex | Data Scientist Bootcamp

Aug 2024– Jul 2025

IronHack | Full-Stack Web Developer

Sep 2019– Nov 2019

Universidad del Valle de Mexico | Engineering in Information Technology and Systems

Jun 2016– Jun 2018

Languages

Spanish - Native

English - Fluent