

# Fabian Oswaldo Montoya Palma

---

Chinandega, Nicaragua - [fabianmontoya2802@gmail.com](mailto:fabianmontoya2802@gmail.com) - +505 8771 5943 - <https://fabmnt.dev>

## Professional Career

### Dentalrobot, Inc.

Oct 2022 - Present

Dentalrobot is a high-volume dental appointment verification automation company for U.S. insurer websites. I work as a full stack developer maintaining frontend and backend web systems, refactoring legacy code, and developing new projects and features.

- Maintain and develop projects and new features for the company's main management system *CC (Control Central)* in Angular, prioritizing user experience and accessibility, code robustness and scalability, ensuring the stability and ease of use of the system for all company users.
- Designed and implemented the web formless editor, which allows for the creation, visualization, and editing of forms based on tables and markers. *Formless* eliminated the constant corruption of docx files and almost entirely removed the use of these files, saving storage space and streamlined the editing and saving of forms directly from *CC*.
- Developed the *parallel* engine, a resource and process management program developed in Python. This engine allows for the execution of multiple RPA robots in parallel, which drastically increased the number of verifications performed in the same timeframe, while keeping the resource usage to a minimum.
- Developed modules for the Rocketbot platform and web scraper robots, both owned by the company, using advanced data extraction techniques in JavaScript and Python.

### Roca Company Solutions

Roca Company Solutions is a company that provides management services for the DMV, vehicle insurance, and product sales in the U.S. I worked as the Frontend Developer, in charge of the design and development of the *Maya* management system.

- Completely designed and developed the frontend of the company's DMV case, insurance, and product management system, using modern technologies such as React, Vite, React Router, TanStack Query, TanStack Table, among others. Large volumes of information previously stored in spreadsheets were successfully migrated to the new management system called *Maya*.
- Optimized the *Maya* system to render large amounts of data and maintain excellent performance. Each module (DMV cases, clients, invoices, products, insurance, users, logs, etc.) achieves minimal rendering time and features a user interface oriented towards Google Sheets users, resulting in a great user experience in every section of the system.
- Implemented data export functionalities to XLSX, PDF, and image files. The user experience was oriented towards users accustomed to Google Sheets, and the system also provided the ability to extract data into portable files directly from the system. This facilitated the migration of information registration, handling, and tracking processes from spreadsheets to the *Maya* system.

## Freelance

- Created the website <https://asohuma.org> in WordPress for the Center for Study and Social Promotion of Human Rights Association (ASOHUMA) using plugins for SEO, event calendar, contact forms, WhatsApp integration, email delivery, among others.

## Technical Skills

- **Programming Languages:** TypeScript, JavaScript, Python, C#, PHP, SQL.
- **Frameworks and Libraries:** React, React Router, Angular, NextJS, Astro, TanStack Query, TanStack Table, TanStack Virtual, TanStack Form, React Hook Form, Redux Toolkit, Zustand, Rechart, Selenium, Beautiful soup, Playwright.
- **CMS:** WordPress, Strapi, Shopify.
- **Web Styling:** HTML, CSS, TailwindCSS, shadcn UI, react aria, bootstrap, tabler.
- **Best Practices:** SOLID Principles, clean architecture, pair programming, code review, Github Flow, implementation of unit, integration, and E2E testing.
- **Languages:** Spanish (Native), Basic English.

## Education

- Information Systems Engineering (Universidad Nacional Autónoma de Nicaragua) 2019 – 2024.
- International Course on Ethical Hacking and Cyber Security (Universidad Nacional de Ingeniería) 2024.
- Technical Degree in General Accounting (Centro técnico para la Administración y Economía Rubén Darío, Chinandega) 2016 - 2018.
- Bachelor of Science and Letters (Centro técnico para la Administración y Economía Rubén Darío, Chinandega) 2018.