Cesar Aguilar

Managua, Nicaragua

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SKILLS

React, JavaScript, TypeScript, Tailwind CSS, Astro, Git, Github, CSS, HTML, Next.js, React Hooks, Redux, React Context API, Figma, Agile Methodologies , Data Structure , Clean Code

WORK EXPERIENCE

McSystems   **May 2024 - Jan 2025**
Software Engineer   *MGA, Nicaragua*

- Developed a cross-platform desktop application (Tauri, TypeScript, React) for a bank, used daily by employees to manage key financial operations. Built core modules including financial requirements management, collections handling, administrative expenses, and a personalized news carousel. Streamlining workflows and enhancing internal communication across departments.
- Implemented a secure role-based authentication system, ensuring access to sensitive financial data was restricted based on user roles. The system also adapted module visibility based on the user's assigned branch, allowing for location specific access control. This safeguarded confidential information and improved operational security by displaying only relevant features to authorized personnel.
- Built and launched an AI-driven chatbot and ticketing system to address IT support team capacity issues. Increasing response time and problem solutions to the clients by 33%, boosting both team performance and user satisfaction.
- Automated the check-printing process using JavaScript/TypeScript and React for UI components, eliminating manual data entry and integrating seamlessly into the financial core system improving processing time by 30% and reducing paper usage.
- Mentored junior developers by aligning them with client focused goals and promoting frontend best practices in JavaScript/TypeScript, boosting team performance and delivering higher quality solutions.

PROJECTS

Olympuz   **Nov 2023 - Present**
Software Engineer   *MGA, Nicaragua*

- Built a full stack fitness focused web application using Next.js and TypeScript to provide users with accessible, science-backend training guidance and biomechanics insights. The platform delivers personalized workout plans through the app, enabling users to follow expert designed routines tailored to their goals and training needs.
- Designed and implemented an interactive user dashboard featuring dynamic widgets that allow users to set goals, track progress, and stay engaged throughout their fitness journey with a clean, responsive UI focused on usability and motivation.
- Integrated Prisma ORM with a Neon Postgres database to manage user profiles, workout history, and goal tracking, and implemented secure user authentication and session management using Clerk, enabling personalized, role based access across the platform.

EDUCATION

Keiser University SM, Nicaragua   **Jun 2019 - May 2023**
B.S. Degree in Software Engineering