RAIAN PESTANA

Full Stack Web Developer | Systems Engineer

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PROFESSIONAL SUMMARY

Systems Engineer and Full-Stack Web Developer with five years of experience, specialized in JavaScript and TypeScript. I have extensive experience in developing applications with React and Next.js, applying rendering strategies and performance optimization tailored to each project.

WORK EXPERIENCE

Full-Stack Web Developer   Oct 2019 – Present
Freelancer

- Created scraping scripts in Node.js and TypeScript to extract structured data from HTML, PDF, Excel, and TXT from 3 independent systems, processing more than 15,000 unique records.
- Designed and integrated a unified naming model between the three institutions, achieving 100% interoperability between heterogeneous codes through cross-mapping and equivalence dictionaries.
- Reduced manual data analysis time by 80% by transforming and standardizing sources into a single validated JSON schema, ready for consumption via API or analysis system.
- Migrated a legacy Bootstrap interface to a modern version, improving performance by 40% in load times and optimizing the experience for over 100 users from different generations.
- Developed an advanced table with more than 10 dynamic filters, significantly improving search speed and reducing data query time by 70%.
- Created an interactive web tool that reduced data comparison time between Excel files from 6–8 hours to only 15–45 minutes, improving operational efficiency and providing a visual comparison grid to detect added and deleted data, with advanced features optimizing the user workflow.
- Built an interactive user data update form, successfully completed by more than 1,000 users on its first day, with API integration for auto-completing data and optimization for accessibility and intergenerational usability.
- Led the front-end development of a budgeting system for over 30 companies, coordinating the implementation of reusable components and ensuring adherence to design specifications.
- Incorporated real-time notifications with WebSockets and role customization, enhancing interaction for more than 100 daily users.
- Structured a roles and permissions system with custom aliases, ensuring interoperable user management across multiple companies and standardized access control.
- Automated the reading and processing of Excel reports, ensuring data consistency and the efficient integration of multiple sources.

SKILLS

HTML, CSS, JavaScript, TypeScript, Node.js, React, Next.js, Electron, Capacitor, SQL, PostgreSQL, MySQL, Git, GitHub, Visual Studio Code, Prettier, ESLint, Husky, Docker, Jest, Phaser3, Supabase, Vercel.

EDUCATION

Systems Engineering   Sep 2019 - Jun 2023
Universidad Bicentenaria de Aragua

Diploma in Web Design   Mar 2023 - Apr 2023
Universidad Bicentenaria de Aragua