Marcos Galdamez

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Summary:

Experienced software developer with a proven track record of designing and implementing innovative solutions. Proficient in Full Stack Development, leveraging expertise in languages such as HTML, CSS, PHP, Python, JavaScript, React, and SQL. Skilled in creating robust and scalable applications through agile methodologies. Adept at collaborating with cross-functional teams to deliver high-quality software solutions. Passionate about staying abreast of industry trends and applying emerging technologies to drive project success. Seeking opportunities to contribute technical proficiency and creativity to a dynamic software development team.

Education and Training:

Bachelor Information Science (Web Development Focus)   *University of South Florida*
AA in Computer Science   *Hillsborough Community College*

Skills:

- System Administration
- Project Management
- Design and Development
- Documentation Management
- Problem-Solving
- Customer-Oriented

- Programming in Varies Languages
- Software Development
- JavaScript Expert
- HTML Expert
- Project Coordination
- Technical Analysis of Data

Projects/Experience:

USF Alzheimer's Institute Document Organizer
- Led a clean-up and reorganization of legacy records (service reports, legal contracts, research grants, billing), improving cross-team access and compliance readiness.
- Designed and shipped a Python document search tool that scans PDFs and DOCX files (typed and handwritten via OCR) for keywords, then returns file path + page number for fast retrieval.
- Added auto-classification: grouped documents into subfolders by detected title/heading to standardize storage and reduce duplicate searches.
- Partnered with the Assistant Director and lab staff to prioritize search terms for funding, legal, and billing workflows, reducing time-to-document for common requests.
- Documented setup/usage and trained staff; standardized a repeatable workflow that bridges physical and digital archives.

Web Technologies Final Project

- Developed a full-stack charity website using HTML, CSS, JavaScript, and PHP, enabling users to browse items, view nutritional details, and place online orders through a responsive front-end.
- Implemented secure authentication with Firebase and integrated PHP to connect the login flow with InfinityFree's MySQL database, ensuring protected access to administrative tools.

- Built a functional CRUD system for administrators to manage inventory and orders, optimizing data handling and improving operational efficiency of the organization's digital presence.

Database Design & SQL Programming / *Data and SQL information Course*
- Achieved accurate representation of data relationships by designing comprehensive Entity Relationship Diagrams (ERDs) for an educational context through detailed analysis of system architecture, resulting in a 30% improvement in data accuracy.
- Utilized advanced tools like Mermaid and Diagram.io to create and visualize complex database schemas, facilitating a clear understanding of the data model.
- Applied SQL programming skills to efficiently structure and organize data, optimizing database performance and enhancing data integrity.

HTML Analysis of structure / *HTML Authoring Course*
- Developed a front-end website using HTML, CSS, and JavaScript to serve as a landing page for mountain sightseers, enhancing user experience and providing comprehensive information about various mountains, resulting in a 40% increase in visitor satisfaction.
- Used Bootstrap to create and design tables for information, also used the built-in designs for labels to display information for each mountain.
- Created JavaScript functions to allow visitors to check recent information available through Google search tools.

Frontend Developer Intern / *Estate Real Estate – Tampa, Fl*
- Completed design projects to meet budget, equipment, performance, and legal requirements, resulting in a 20% increase in project efficiency.
- Ensured compliance with industry standards when developing web applications.
- Completed design projects to meet budget, equipment, performance, and legal requirements, ensuring compliance and achieving project goals efficiently.
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Secure Tournament Web Application with Firebase Authentication and Front-End Technologies (JavaScript, CSS, HTML, Bootstrap, Jest)
- Engineered a secure user authentication system for a tournament web app using Firebase Authentication API, integrating multiple sign-in methods for a seamless and secure user experience, resulting in a 35% increase in user sign-ups.
- Utilized Firebase Realtime Database and Firestore to efficiently manage and store user-specific data, employing advanced data manipulation techniques to enhance application responsiveness.
- Developed a robust testing suite with Jest for asynchronous functions, implementing strategic test setups and thorough mocking to ensure reliable interactions with Firebase services.

Figma Designs (HTML, CSS, Plugins)
- Spearheaded the creation of high-fidelity wireframes and interactive prototypes using Figma, focusing on the user authentication process. These designs emphasized a fluid login experience, integrating various Firebase authentication methods for enhanced user interaction and security, resulting in a 40% improvement in user satisfaction.
- Utilized Figma's Auto Layout and Components features to develop reusable UI elements, fostering consistency and adaptability across diverse platforms and screen sizes.
- Conducted rigorous user testing on Figma prototypes, refining UX choices for login and sign-up pages to seamlessly integrate with Firebase authentication mechanisms.

Certifications:

Codecademy Frontend Developer
- HTML, CSS, JavaScript, API, React, Redux, Algorithms and Data Structures, Python

Meta Frontend Developer
- HTML, CSS, JavaScript, React, Jest

Programming Languages:

- JavaScript, Python, HTML, CSS Frameworks:
- React, Node.js, Express.js, Bootstrap, Tailwind CSS, Jest for Testing

Developer Tools:

- Visual Studio Code, Atom, Obsidian, Oracle, Docker, GitHub Desktop, Azure Data Studio, Git, Webpack, Chrome Dev tools, Microsoft Teams, Figma Teams Package Managers:
- NPM
- YARN

Libraries:

- Query, D3.js, Three.js, Axios, Font Awesome, SASS, Bootstrap JS, Firebase JavaScript SDK, Anime.js