

Daniel Cuauhtemoc Rendon

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Summary

Highly skilled and driven Senior Software Engineer. Proven expertise in delivering reliable & scalable solutions, and managing large-scale projects.

Experience

SAIC, NASA - Senior Systems Engineer

March 2023 - Present

- Led the migration of the data.nasa.gov application from Socrata to CKAN, containerizing the application, moving static files to AWS S3, and developing NASA-specific CKAN extensions, resulting in improved data accessibility, enhanced performance, and significant cost savings.
- Completed the migration and containerization of the code.nasa.gov application, refactoring with python for improved performance and maintainability.
- Created a 3D site for Commercial Lunar Payload Services using Google's model-viewer to display information about lunar landings, providing an interactive user experience.
- Developed a new application for CHAPEA Mission 2 using Node.js, Vue.js, and GCS enhancing user experience for applicants and increasing admin productivity.
- Created a release tracking system using PowerShell or bash scripts allowing developers to increment application release numbers via commit messages, improving tracking for management and simplifying the release process.
- Oversaw staff development initiatives by providing guidance and training to developers on best practices resulting in Improved code quality.

MORI Associates, NASA - Senior Systems Engineer

October 2022 - March 2023

- Led the containerization and rewrite of the Roundup Reads application using Node.js, successfully delivering the project on schedule within a few weeks, ensuring improved performance and maintainability.
- Upgraded the Texas in Space application from Vue 2 to Vue 3, enhancing performance and maintainability.
- Managed the NASA-owned GitHub instance, improving build times by identifying and correcting an overrunning repository.
- Reduced data transfer errors from thousands to under 100 by creating cleanup scripts using the data.nasa.gov API, improving data accuracy and reliability.

Jacobs Technology, NASA - Systems Engineer

February 2022 - October 2022

- Migrated the WinMD application to a newer hosting solution by converting it to Lucee and containerizing it, enhancing scalability and performance.
- Developed a mailing list subscription API for the public ARES mailing list, increasing security and ease of use.
- Consolidated services for internal applications by creating an Active Directory API, streamlining authentication and access management.
- Enabled hosting of newer application types on IIS servers by implementing HttpPlatformHandler, facilitating the transition from older technologies.

MORI Associates, NASA - Systems Engineer

October 2018 - February 2022

- Streamlined deployment processes by creating build and release pipelines in Azure DevOps for all custom applications, improving efficiency and reliability.
- Developed a mass upload feature for the SFA Database admins, significantly increasing data import efficiency.
- Enhanced development speed and maintainability by building new static sites applications using Vue and Node.js, facilitating quicker updates.
- Increased security by containerizing and migrating legacy .NET, ColdFusion, static sites, and related databases using Docker, modernizing the team's hosting.

Sage-IQ - Web Developer

October 2015 - October 2018

- Developed front end for D&B's Data Exchange in an Agile team, collaborating with designers to implement their changes using AngularJS, HTML, CSS, Django, Python.
- Developed the front end for an Airbnb-style app, collaborating with founders and designers, and built a web scraper for data aggregation using AngularJS, HTML, CSS, Jasmine, Beautiful Soup 4, Python.

Whole Foods Market - Web Team Internship

July 2015 - October 2015

- Shadowed and supported web developers through the software development life cycle, gaining experience with Agile/Kanban methodologies, Scrum practices, and participating in code reviews and daily stand-ups.
- Assisted in testing and debugging the main Whole Foods Market website, contributing to quality assurance and ensuring optimal site performance.

Pluckers - Line Cook

May 2013 - July 2015

- Contributed to process improvements by refining kitchen workflows, reducing prep times, and enhancing team coordination.
- Collaborated with team members to maintain operational efficiency in a fast-paced environment, meeting strict service-level expectations.

Education

Web Development Immersive Certificate of Completion |
General Assembly
Highschool Diploma | William B. Travis Highschool

Skills

Software Development, Troubleshooting, Systems Integration, Cloud Integrations, Scripting, Communication

Awards

Constellation Excellence Award Recognized for stabilizing the Open Innovation Program websites, bringing them into compliance with IT security standards, and implementing best practices for five websites.

Space Flight Awareness Team Award Honored for developing a virtual badge system that streamlined the awards process, significantly reducing manual input and saving time and resources for the Space Flight Awareness program.

Galaxy Excellence Award Awarded for innovation and excellence that exceeded expectations, helping NASA reach new heights with their web presence.