

JOSHUA WALSH

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An experienced Software Developer with proficiencies spanning multiple languages such as Python, JavaScript, Java, and frameworks like React and Tkinter. Has reduced engineering hours of vehicle cluster feature development by 20% via a Python App for a team of 30+ engineers and cut data retrieval failure rates by 25% with Siebel RESTful APIs.

Skills

- Languages: Python, JavaScript, Java, HTML, CSS, C++, SQL
- Frameworks/Libraries: React, Tkinter
- Standards/Processes: REST, Agile Development
- Tools/DBs: Siebel CRM, Git, Gerrit, JIRA, Insomnia, VS Code, Linux OS

Professional Experience

Software Developer, General Motors

June 2021 - Present

- **Vehicle Cluster Simulator** Python
 - The application handles tens of thousands of signals that are sent to the cluster and abstracts them into selectable dropdown and entry objects for simulation of dashboard visuals.
 - Following the full software development lifecycle and OOP principles design and develop a Tkinter Python GUI simplifying testing steps and improving accessibility with UI, reducing engineering hours by 20% per vehicle dashboard feature for a team of 30+ engineers.
 - Investigation and manual input time reduced by up to 10 minutes per test case.
 - Utilized threading and port connections to interface with another Python application.
- **Customer Relationship Manager** Siebel CRM and eScript
 - Developed RESTful APIs eliminating need for multiple fail-prone middleware services, reduced downtime during upgrades and failure rate of retrieving data by 25%.
 - Created tables/relationships to store multiple vehicle part data in a RDBMS database, saving users two minutes in operations and case cloning per part-case assignment.
 - Developed solutions/user interfaces for business requested features to improve and enable customer data entry, information handling, and case management.
 - Documented custom functionality within the Siebel platform speeding up development of a transformation project by one month.
 - Innovation Owner for the US customer relation app, handling bugs and Change Configuration.
- **Advisor WebApp** React
 - Developed user interface features for an advisor-centered Full Stack web application.
 - Developed proof of concepts/demos utilizing React and Axios to showcase improvements.

Education

BS, Computer Science
California State University, Sacramento

May 2021
G.P.A. 3.83

Projects

Meeting Coordination Website React and Python Django

September 2020 – May 2021

- Following the SDLC, worked with a six-person team to develop a Full Stack web app to automate organizing/planning sessions and eliminate time spent coordinating.

Achievements

- Graduated Magna Cum Laude with a Bachelor of Science Degree: Computer Science.