

JOSHUA WALSH

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[LinkedIn](#) | [Website](#)

Skills

- Languages: Python3, JavaScript, Java, HTML, CSS, C++, PL/SQL | Frameworks: React.js, Tkinter
- Standards/Processes: REST, Agile Development, SDLC
- Tools/DBs: Siebel CRM, Git, Gerrit, Jira, Insomnia, VS Code, Linux

Professional Experience

Software Developer, General Motors

June 2021 - Present

- **Vehicle Cluster Simulator** Python3
 - The application handles tens of thousands of signals that are sent to the cluster and abstracts them into easy to process dropdowns and entries.
 - Design and develop a Tkinter Python GUI simplifying testing steps and improving accessibility, reducing engineer hours by 20% per vehicle dashboard feature.
 - Investigation and manual input time reduced by up to 10 minutes per test case.
 - The application handles tens of thousands of signals that are sent to the cluster and abstracts them into easy to process dropdowns and entries.
- **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 30%.
 - Created tables/relationships to store multiple vehicle part data for users, saving users two minutes in operations and case cloning per part-case assignment.
 - Developed solutions 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 changes.
- **Advisor WebApp** ReactJS
 - Developed UI features for an advisor-centered full-stack web application.
 - Developed POCs utilizing ReactJS and Express to showcase improvements.

Education

BS, Computer Science

California State University, Sacramento

May 2021

G.P.A. 3.83

Projects

Meeting Coordination Website ReactJS and Python Django

September 2020 – May 2021

- Worked with a six-person team to develop a full-stack web app to automate organizing/planning sessions and eliminate time spent coordinating.

Android O/S Tower Defense Game ([GitHub Link](#)) Java

January 2020 – May 2020

- Developed a tower defense game complete with models and minor animation for the Mobile Android O/S – Java/OOP Design.

Achievements

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