

# Ashwin Sathyanarayanan

[omashwin@gmail.com](mailto:omashwin@gmail.com) | (916)-317-7382

## WORK EXPERIENCE

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### CGI

Sacramento, CA

*Senior Software Development Engineer*

*Jan 2023 - Present*

- Implemented Agile methodology to drive iterative development and continuous improvement, enhancing project adaptability and responsiveness to changing requirements, while actively participating in scrum ceremonies to report progress and proactively communicate potential project risks to leadership.
- Developed JavaScript functions to analyze and transform legacy data for the modernized system, reducing team effort on data conversion tasks by 30% and streamlining the overall process.
- Developed data conversion maps using Pentaho for the Advantage 4x Modernization project, resulting in a streamlined process that reduced conversion errors by 15%.
- Managed and maintained conversion maps using Bitbucket as the primary repository for version control and collaboration.
- Provided strategic input and direction for the Advantage 4x Modernization project, contributing to informed decision making and effective project planning.

*Software Development Engineer*

*Feb 2020 - Dec 2022*

- Contributed as a front-end developer by designing and implementing components using React, along with conducting comprehensive testing to ensure quality and performance.
- Responsible for creating front end outlays of features such as Case Management, Person Lookup & Maintenance, and GL Lookup & Maintenance.
- Designed and executed prototypes of UI features with JavaScript & CSS for Phase 3 Designs, leading to a 15% decrease in development time.
- Utilized GitHub as the version control system to efficiently manage codebase changes, ensuring collaboration, version tracking, and streamlined project workflows.
- Developed and optimized reusable UI components, incorporating code reviews to ensure quality and reducing overall development time by 30%.
- Conducted demos for client in second phase in which took all designs and broken into 4 chunks of 10-12 designs and ran SDLC life cycle for each group of designs to ensure designs are functional and as per design.
- Managed UAT process with onsite and offshore teams, resolving defects identified during testing, resulting in a 10% improvement in overall product quality.

*Software Development Engineer in Test*

*Jun 2017 - Jan 2020*

- Streamlined testing processes in an Agile environment by developing Test Automation scripts using Selenium and Katalon, resulting in increased testing speed and accuracy.
- Managed two Agile test teams, utilizing Jira and Xray Test Management Tool for efficient Testcase Management, leading to on-time project delivery and improved testing strategies.
- Implemented Test-Driven Development approach for automation, minimizing rework and ensuring early project completion with high-quality deliverables.
- Created a comprehensive Test Strategy and Test Plan, collaborating with Automation Testers to develop an effective Automation Framework for testing Salesforce applications, resulting in improved testing methodologies and outcomes.
- Developed and maintained automation scripts within CircleCI to optimize CI/CD pipelines, streamlining software delivery processes and improving deployment efficiency across multiple environments.
- Collaborated with cross-functional teams to conduct regular code reviews and quality assurance checks on force.com applications, achieving a 95% defect-free rate upon initial implementation.
- Developed and implemented automated test scripts using Selenium and Katalon in an Agile environment, resulting in a 40% decrease in testing time and a 50% increase in test coverage.

**Franchise Tax Board****Sacramento, CA***Student Assistant**Sep 2014 - May 2017*

- Utilized Altova XMLSpy, WorkBench Wax Tool, and IBM ClearQuest to rigorously test PIT&BE schemas and business rules, identifying and reporting discrepancies to developers for resolution, resulting in a 98% decrease in system errors.
- Demonstrated strong time-management skills by prioritizing tasks based on urgency and deadlines, efficiently multitasking and advancing other projects when facing blockers to ensure timely completion of all assignments.
- Executed rigorous tests via eView staging website by identifying discrepancies and errors for swift resolution and reporting to Business Analysts.
- Collaborated with developers and Business Analysts to retest corrected data post-error resolution and ensure integrity/functionality of systems.
- Demonstrated strong problem-solving abilities by identifying defects and proposing potential development solutions to enhance software quality.
- Tested entirety of PIT&BE schemas, business rules, violation schemas, and reformatting processes by leveraging tools such as Altova XMLSpy, WorkBench Wax Tool application, Microsoft Office Excel, TextPad, and IBM ClearQuest.
- Executed testing templates by utilizing advanced techniques like 2 point and 3 points verification, enhancing testing accuracy and efficiency while adhering to best practices.
- Transformed XML documents utilizing various tools to ensure data integrity, collaborating with Business Analysts for data retesting and system validation, resulting in a 90% increase in overall system efficiency.

**Hewlett-Packard****Roseville, CA***Cloud Analyst**May 2013 - Jun 2014*

- Spearheaded the creation of HP Cloud Wiki pages by using OpenStack services, detailing deployment procedures for each service, overseeing comprehensive documentation.
- Managed six services and collaborated closely with engineering embeds to gather essential information from HP Cloud Datacenter.
- Led the Monthly Assignment Log Review by assigning tasks, retrieving data from five servers via SSH, and documenting findings in JIRA to ensure efficient log analysis and issue tracking.
- Created Visio Flow chart outlining the setup steps for the Data Center team to simplify onboarding processes and ensure consistency in operations.
- Automated tasks for Security team and documented all procedures and findings in flow diagrams within Wiki page and JIRA Issue Tracker.
- Reduced manual effort and enhanced efficiency in gathering and transferring server information by developing Python script to automate the Log Review Process.

**EDUCATION & CERTIFICATIONS****California State University - Sacramento****Sacramento, CA***Bachelor's of Science Computer Science***Coding Dojo****Remote***Software Development Online Part-Time Accelerated Bootcamp**Graduation Date: Mar 2021***SKILLS & INTERESTS**

**Skills:** ReactJS, Typescript, Redux & useReducer, Jest, React Testing Library, JavaScript, CSS3 & HTML5, SASS, Webpack, Mongo DB, REST APIs