JAWAHAR VINAYAGAMURTHY

Email : jawahar.vinayagamurthy@gmail.com   **LinkedIn**   Mobile : 510-493-8093

PROFESSIONAL SUMMARY :

- Proficient in automated testing frameworks, scripting languages (such as Python, Javascript, TypeScript, Shell Script), and testing tools (like Selenium, Appium, Cucumber, Ranorex, TestNG, React), API and SQL testing ensuring thorough test coverage and efficient bug detection.
- Skilled in creating and executing test plans, test cases, and test scripts, leveraging a combination of manual and automated testing methodologies to validate software functionality, performance, and scalability.
- Experienced in analyzing test results, identifying defects, and collaborating with development teams to prioritize and resolve issues, ensuring the delivery of high-quality software products within project timelines.
- Familiar with continuous integration/continuous deployment (CI/CD) pipelines, version control systems (such as GitHub), and agile development methodologies, facilitating seamless integration of testing processes into the software development lifecycle.
- Strong problem-solving abilities, attention to detail, and a proactive mindset, enabling proactive identification of potential risks, optimization of test processes, and continuous improvement of testing strategies to enhance software reliability and user satisfaction.

SKILLS :

Operating Systems / Platforms	Linux, Android, Windows, iOS, AR Glasses
Languages	C#, C++, Java, Android, Golang
Development Tools	VIM, Android Studio, intelliJ IDEA, Eclipse, Xcode
Test Automation / Debugging	Espresso, XCUITest, Katalon, Ranorex, Appium, Selenium, Cucumber, TestNG, Postman, BrowserStack, LamdaTest, React Native, Node.js, Protractor, PyTest, TestRail, Charles Proxy, JMeter, LoadRunner
Scripts	Python, Javascript, Typescript, Shell Script
Continuous Integration	GitHub, GitHub Actions, Gerrit, JIRA, Jenkins, Ant, Maven
Cloud Computing	AWS, GCP, Docker, Kubernetes, DynamoDB, S3, Terraform
AI / ML / Cyber Security	Foundations on AI/ML and GenAI, ETL/Data Pipeline, Data Engineering, NoSQL, Data Warehouse, Python for DataScience and AI, Cyber Security

PROFESSIONAL EXPERIENCE :

Senior SDET / Lead Test Engineer, USA   Since Jan 2014

Tasked with the development and testing of software applications for SaaS based cloud applications, gaming products and Internet services.

- Primary point of contact for establishing the testing process for enterprise software test management activities.
- Developed comprehensive test strategies, executing test plans, and ensuring thorough testing of the product's functionalities and features that involved both manual testing and automation framework development which improved production test coverage by 90%.
- Implemented robust automated testing and integration across various platforms - Android, iOS, AR wearables, and web browsers hosted on AWS and GCP, ensuring high product quality and reliability using python, node.js, javascript, typescript, shell script, selenium, appium, java, Ranorex.

- Implemented automated API testing using curl scripts, groovy and postman collection.
- Implemented integration with BrowserStack and LambdaTest and TestNG cloud test platform that further enhanced test coverage for more devices across Android and iOS.
- Implemented automation framework integration with CI/CD Jenkins pipeline with daily and release based test run that improved testing efficiency and facilitated smoother CI processes.
- Developed and integrated automated testing frameworks using tools such as Postman and RestAssured to streamline the validation of API endpoints, significantly enhancing test efficiency and coverage.
- Conducted SQL query performance tuning and optimization, resulting in improved query execution times and overall database performance by implementing effective indexing and query restructuring strategies.
- Developed and executed automated test scripts using Cucumber and TestNG to ensure the quality and performance of Android, iOS, and web applications.
- Implemented automated load, stress, scalability, BDD and reliability testing to ensure product robustness that increased performance of the product using JMeter, LoadRunner, LoadNinja, Blazemeter.
- Designed and deployed scalable, containerized applications using Kubernetes, and automated infrastructure provisioning and management with Terraform to enhance deployment efficiency and consistency.
- Performed localization testing for 17 different languages and generating reports.
- Performed User Interface and Usability testing for mobile and web applications across platforms.
- Improved bug management processes using JIRA and facilitated collaboration with cross-functional teams to enhance problem handling and reduce resolution time for reported issues.
- Utilized Generative AI test framework to analyze user stories and acceptance criteria, resulting in the automated generation of comprehensive test scripts that reflect desired features and functionalities.
- Created a React web app and used Amplify to configure auth and data resources.Created a function to update the data model with the user's details when they sign up. Created frontend to display the captured data. Finally, I used AWS Amplify to host the app.
- Conducted rigorous automated testing and logged bugs for gaming consoles and controllers, contributing to the enhancement of product quality using python and shell scripts.
- Developed automation framework streamlining the testing process, improving efficiency and reducing manual test effort.
- Monitored spam emails on production servers and formulated rules using regex to prevent spam, testing these filters before loading them into production environments that helped maintain the integrity of production environments and enhanced user security using python and shell scripts.

Senior Engineer / Lead Engineer - Multiple Companies, India   1996 - 2014

Tasked with development and testing of telecom switches and wired phones, wireless and networking products with skills acquired in C, C++, Java, L1-L7 layers and CDMA.

EDUCATION :

M.S. (EE)	The University of Texas at San Antonio, Texas, USA.	1995
B.E. (ECE)	University of Madras, Chennai, Tamil Nadu, India.	1990

CERTIFICATIONS :

PMP	Google Professional Certification	2024
Data Engineering	IBM - Data Engineering Professional Certification	2024
Cybersecurity Analyst	IBM - Cybersecurity Analyst Professional Certification	2024
AI Engineering	IBM AI Engineering Professional Certification	2024