**\*\*BHARATH GAJULAPALLI\*\***

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**SUMMARY**

Results-driven Senior SDET / Lead Engineer – Quality with 13+ years of experience in designing, developing, and implementing robust test automation frameworks for Web, API, and Mobile applications. Proven expertise in Selenium, Rest Assured, Playwright, Java, JavaScript, Appium, and CI/CD pipelines. Adept at optimizing testing processes, achieving 40%+ efficiency gains through automation and continuous integration improvements. Experienced in Agile/Scrum methodologies and leading cross-functional teams to deliver high-quality software for clients including Empower and the Florida State Government. Passionate about leveraging AI tools to enhance automation effectiveness and enable next-generation intelligent testing solutions.

**TECHNICAL SKILLS**

* Testing Frameworks: Selenium, Rest Assured, Playwright, Appium, IBM RFT, WebDriverIO
* Programming & Scripting: Java, JavaScript, Python, SQL
* Automation Frameworks: TestNG, Cucumber (BDD/TDD), Hybrid & Data-Driven
* Agile & DevOps: Agile/Scrum, TDD, BDD, In-Sprint Automation
* API Testing: Rest Assured, Karate BDD, Postman, Hopscotch
* CI/CD Tools: Jenkins, GitLab CI/CD
* Cloud & Databases: Windows 365, AWS Workspace, Oracle 12c, Citrix, Docker, SQL
* AI & Generative Tools: GitHub Copilot, ChatGPT (4.0/5.0), Claude 3 / Sonnet 4, Gemini 2.5 Pro, o3-mini
* Performance & Accessibility: LoadRunner, JMeter, axe-core (WCAG Compliance)

**PROFESSIONAL EXPERIENCE**

\*\*Lead Engineer Automation Quality | Empower (Great-West Global Business Services Pvt. Ltd.)\*\*  
July 2018 – Present | Bangalore, India

* Lead end-to-end testing for complex Web, API, and Mobile applications, ensuring comprehensive test coverage and high-quality delivery.
* Develop and maintain automation frameworks and test scripts using Selenium WebDriver, Rest Assured, Java, JavaScript, Python, Appium, and AuraPlayer.
* Maintain and enhance Empower Test Automation Frameworks supporting TDD, BDD, and coverage for Web UI, API, Mobile, and batch applications.
* Collaborate with development teams to shift testing left, improving early defect detection and continuous feedback loops.
* Utilize AssertThat Jira plugin to manage and organize BDD feature files within Jira.
* Perform defect triage, reporting, and analysis, ensuring timely resolution and transparent communication.
* Possess working knowledge of Performance Testing (LoadRunner, JMeter) and Accessibility Testing (axe-core) for WCAG compliance.
* Deliver within Agile (Scrum) and Full Stack development environments, ensuring quality throughout the SDLC.
* \*\*Key Achievements & Contributions\*\*
* Played a key role in the ETAC initiative, helping train 230+ full-time employees and currently extending the program to 200+ contractors on advanced test automation practices.
* Led end-to-end program activities, including planning, curriculum design, assessment creation, evaluation, and results communication.
* Provided continued mentorship and support to scale automation maturity across QA teams.
* Trained and mentored team members and achievers on BDD practices, Agile methodologies, flagging mechanisms, and in-sprint automation initiatives.
* Collected and analyzed automation efficiency metrics (execution success rate, defect leakage, in-sprint KPIs), delivering insights to leadership to drive quality predictability and process improvement.
* Reduced regression cycle time by 80% through implementation of a BDD Cucumber–Hybrid framework for Web and API automation.
* Optimized CI/CD pipelines in Jenkins, automating nightly regression runs and improving early defect visibility.
* Managed Selenium Grid and VM infrastructure, ensuring secure and stable automation environments.
* Supported migration from Zephyr Squad to Zephyr Enterprise, improving test management, traceability, and reporting efficiency.
* \*\*AI in Test Automation – Research & Implementation\*\*
* Evaluating Generative AI tools such as GitHub Copilot, Claude 3, and ChatGPT to enhance automation design, development, and maintenance efficiency.
* Conducting proofs of concept (POCs) integrating AI-assisted code generation into existing frameworks, with early results showing ~35% reduction in script development time.
* Leveraging IDE-level Copilot and ChatGPT-based test data generation to reduce manual effort across Web, API, and Mobile testing.
* Researching and experimenting with Agentic AI models for autonomous end-to-end test automation, targeting up to 70% reduction in overall script development time.
* Collaborating with architecture and quality teams to define AI adoption strategy and best practices, with ongoing research expected to yield measurable productivity gains.

\*\*Senior Software Analyst | Xerox Business Services Pvt. Ltd.\*\*  
February 2012 – July 2018 | Bangalore, India

* Designed and implemented scalable keyword-driven and hybrid automation frameworks using Selenium, Java, and TestNG, integrating API automation (Rest Assured) and parallel execution to enhance release efficiency.
* Led automation feasibility analysis, identified test candidates, and managed VM-based execution environments for reliable delivery cycles.
* Measured and reported automation ROI and efficiency metrics to leadership, demonstrating tangible quality and productivity improvements.
* Developed and executed automation test scripts for web and mobile applications, ensuring cross-browser and device compatibility.
* Collaborated closely with development teams to identify, triage, and resolve defects early in the lifecycle.
* Provided technical mentorship to junior team members on framework design and best practices.
* Contributed to multiple successful deliveries and gained domain expertise in transportation systems.

**EDUCATION**

Master of Technology (M.Tech) – Computer Science & Engineering  
Jawaharlal Nehru Technological University (JNTU), Hyderabad | 2013