

Vijaya Kumar Yalla

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Personal Summary:

CSM-certified technical automation test engineer with extensive experience writing automation test frameworks, and optimizing complex system infrastructure, security, and operations. Skilled in leading cross-functional teams, aligning with stakeholders, and overseeing projects from initiation to successful delivery. Known for delivering scalable, high-quality solutions in dynamic environments and eager to leverage leadership and technical expertise to foster innovation and achieve business success.

Technical Skills:

- + Languages: C#, Java, JavaScript, TypeScript, Python, HTML5, CSS3
- + Frameworks: Spring, SpringBoot, Angular, ReactJS, Redux state-management, Cucumber BDD
- + Performance Testing: LoadRunner, JMeter
- + Monitoring Tools: New Relic, AppDynamics, UNIX utilities, Splunk
- + Automation Testing: Playwright, Selenium, RestAssured, Cypress, Appium, WebDriver.IO
- + Databases: SQL Server, Oracle, MySQL, Postgres, CosmosDB, MongoDB
- + Project Management: Scrum, PMP
- + Version Control: GitHub, SVN
- + Collaboration Tools: JIRA, Confluence, Google Docs
- + CI/CD: GitHub Actions, Jenkins
- + Cloud Solutions: AWS, Azure, Docker, Kubernetes, Kafka, Redis Cache, Azure Data Factory, Azure Synapse Analytics, Azure Databricks, Microsoft Fabric
- + AI & Machine Learning: TensorFlow, Keras, Pandas, FastAPI, TensorFlow Serving, LLM, RAG, Agents

Certifications:

- + Certified Terraform Associate from HashiCorp
- + Certified Scrum Master from Scrum Alliance
- + Certified ISTQB Tester Foundation Level from BCS IT

Education:

- + B.Tech. in Computer Science and Engineering with 66.64% from JNTU, Hyderabad June 2000 – May 2004
- + Masters of Science in Cloud Computing with 82% from UEL, London May 2022 – January 2024

Professional Experience:

Senior QA Automation Engineer, Enable International, UK

Jul 2024 – Present

- + Developing the automation framework in C#, SpecFlow, and Playwright tools by leveraging design patterns such as Factory, Singleton, POM (Page Object Model), and SOLID design principles.
- + Written GitHub actions workflow with the scheduler to launch automation tests daily at 1 AM by leveraging GitHub secrets.

- + Collaborating with DevOps teams to set up automation tests in the pipeline using GitHub action steps and accessing credentials via environment variables from the 1Password vault.
- + Writing test cases in AIO and performing test executions, raising the bugs in JIRA by adhering bug management process defined in the organization. Participating in sprint ceremonies such as daily standups, sprint grooming, estimations, and retrospectives.

Senior Technical Manager, Sweya Technologies, India

Mar 2022 – Feb 2023

- + Handled stakeholder management, negotiated project deliverables, and managed the team. Involved in requirement gathering and collaborated with BA on requirements and backlog grooming.
- + Led a 9-person cross-functional team to deliver top-notch software solutions and actively participated in UAT to grasp evolving customer requirements.
- + Delegated tasks and developed web pages in ReactJS with Redux Toolkit, integrated RESTful APIs, and achieved 95% UI code coverage through UNIT tests.
- + Built Cypress automation frameworks with Page Object Model, BDD framework, and SOLID principles for web applications UI, resulting in a 40% reduction in regression testing time and a 25% increase in test coverage.
- + Deployed web apps on AWS for scalability and reliability. Managed CI/CD pipelines with GitHub Actions, cutting deployment times by 30%.
- + Conducted performance testing using JMeter, optimizing application performance and identifying bottlenecks.

Technical Manager, GAP Inc., India

Jun 2019 – Dec 2021

- + Developed the RESTful APIs in SpringBoot per given business requirements, and wrote comprehensive unit and integration tests in OMS (Order Management System), achieving 90%+ code coverage.
- + Planned the resource allocation to fulfill production support tasks, and participated in change release plans and operations support during peak season.
- + Led testing team, supervised end-to-end testing for multiple projects. Assisted in designing Cypress automation framework for testing RESTful APIs and UI.
- + Planned testing for event-driven systems (queues, Azure EventHub, ServiceBus), achieving 90% code coverage and cutting production defects by 22%.
- + Worked closely with DevOps teams to establish CI/CD pipelines using Jenkins and Git/GitHub. Mentored junior developers in Spring and Spring Boot best practices and code quality.
- + As a scrum master, ensured the team adhered to the scrum process including conducting scrum ceremonies such as sprint planning, daily standups, sprint open and close meetings, and sprint retrospectives.

Systems Analyst, Lead, Qualcomm, India

Mar 2012 – May 2019

- + Interacted with customers for non-functional requirements, devised test plans, conducted performance tests, and generated reports. Collaborated with stakeholders to optimize apps for SLAs.
- + Led a 7-person team to meet sprint goals, organized daily stand-ups to track progress and resolve issues, and conducted sprint retrospectives to identify improvements and plan training for tech gaps.
- + Collaborated with UI/UX teams for HTML and CSS for the designed user mock-ups; worked on UI screen development in Angular and wrote unit tests to enhance code quality with coverage of 92%.
- + Created a Groovy automation framework for white box testing in the Payroll app. Developed JAVA tool with Selenium to report page load times, and established automated Jenkins CI/CD job, reducing manual efforts by 80%.

- + Assisted the product owner and team in grooming the stories from the backlog, estimating the efforts for each story, reviewing the sprint stories, and planning the team's velocity.

Performance Test Lead, AppLabs, India

Nov 2009 – Mar 2012

- + Taken care of stakeholder management, and actively participated in project planning and execution, ensuring the successful integration of testing activities into the development lifecycle.
- + Managed a 4-person team and mentored the junior resources in test executions, test report preparation, and PERL scripting.
- + Performed test plan and performance test script review, involved in performance test executions, and worked on test report preparation with test observations and performance improvement recommendations.
- + Developed the shell scripts to monitor the test environment and deployed them on the servers to gather performance metrics; wrote PERL script utilities to parse the UNIX server performance logs.
- + Tested and optimized .NET utility app for GPRS/SMS communication, scaling it to handle 40M+ meters. Implemented enhancements like custom WCF bindings, server additions, log management, table partitioning, PL/SQL adjustments, and transitioning from UNIX CRON to DBMS scheduler.

Test Engineer, CSC, India

Sep 2007 – Oct 2009

- + Spearheaded performance testing efforts, utilizing LoadRunner to identify and rectify performance bottlenecks, leading to a 30% improvement in application response times.
- + Created comprehensive test plans, scripts, and reports for projects. Optimized J2EE web apps, cutting resource use by 20%.
- + Implemented effective testing, boosting efficiency by 15% and reducing defect leakage. Mentored junior test engineers in test automation and performance testing practices.

Performance Test Engineer, ReadyTestGo Pvt. Ltd.

Aug 2005 – Sep 2007

- + Gathered nonfunctional test requirements, wrote detailed test plans after analyzing test requirements, developed test scripts, and prepared detailed test reports for various projects.

Clientele and Domains:

- + **Finance:** Worked with major financial institutions such as Citi Bank (with a contract of 3 months), Chase (with a contract of 2 years), and Royal Bank of Scotland (with a contract of 8 months) on projects involving payment processing, risk management, and compliance testing.
- + **Telecommunications:** Tested telecommunications software for network management, billing, and customer support systems.
- + **Retail:** Involved in testing the point-of-sale (POS) systems, inventory management, and online shopping platforms at GAP Inc.
- + **Energy:** Managed the entire project from requirements to delivering the product to the customer to fulfill marketplace use cases for D-Rec and PowerTrust.