



♥ Summary of Experience:

- 12+ years of combined experience in roles of Quality Engineer (Engineer In Test), Technical Project Leader, Senior Software Engineer and Customer Engineer. Currently working as Quality Engineer Level 3 at [The MathWorks, Inc. Natick, Massachusetts](#) since Oct, 2013
- Current work includes: Designing, developing and testing test automation frameworks using xUnit frameworks, Selenium webdriver, Java and MATLAB. Implementing testing tools and reports using JavaScript libraries with web technologies. Preparing test plans, test procedure doc, effort estimation, requirements, design functionality discussion, release planning and co-ordination.
- In my previous job, I held the responsibility as Technical Leader and lead a team of 12 members for test automation and product maintenance projects for over 4 years. For a complex contact center product, we developed an automated regression testsuite (over 8000 tests) which drove down the execution time from months to single digit days that helped to increase the overall quality of the product in further releases for client Cisco Systems, Inc (Borlase, MA) using Python and Java frameworks
- Worked as Senior Software Engineer for Wipro Technology's client Aastra, Sweden (erstwhile "Ericsson Enterprise") developing features, fixing bugs and maintaining the product. Used object oriented for core Java and C++. Also developed and maintained reports using JS, HTML/XML and CSS technologies. Worked on code generation tools that will reduce the time for development and testing the application software.
- Proficient in working with agile, waterfall, pair programming methodologies with scrum techniques, sprint deliverables, point estimation, product backlog grooming, veloci-Q and burn down chart experience.

♥ Detailed Work Experience:

Quality Engineer III (Software Engineer in Test) Sept 2013 - current

MathWorks, Inc – Natick, MA(USA)

- Design, development and enhancement of test automation frameworks. Test tools development with XML and HTML DOM parsers for qualifying MATLAB, Simulink and other toolboxes in install and web <https://www.mathworks.com/help> help software
- Test suite development using selenium webdriver and xUnit test patterns for examples app – <https://www.mathworks.com/examples> and live script viewer (like Jupyter notebooks.)
- Development of test wrappers in MATLAB to run XSLT based unit tests (XSpec) in continuous delivery and integration system (CD/CI)
- Qualifying new software features, bugs and working with build/release engineers for web release activities
- Implementing testing tools for documentation tools test infrastructure and reports such as broken links report, xml doc validation for docbook5 schema etc
- Working with website search team that provides search infrastructure, web application indexing projects and tools across mathworks English and translated domain websites using Solr and Lucene search platforms - [Support Search](#) and [Site Search](#)
- Preparing test plans, test procedure doc, effort estimation, requirements, design and functionality discussion, release planning and co-ordination
- Planning and organization detailing with project management tools such as jira, confluence, workfront, onenote

Technical Leader Dec 2007 – Sept 2013

Cisco Systems, Inc – Boxborough, MA(USA) and Wipro Technologies – Bangalore (India)

- Regression test automation suite development and maintenance
- Fixing defects opened against test infrastructure and frameworks
- Leading team for product and web features by preparing test plan documents, planning, effort estimation and implementing the test cases
- Adding new automated testcases for new product feature development
- Preparing lab setup for unit, integration, system, load and performance testing
- Working with the Cisco/Wipro design team and the product owners in prioritizing the user stories, preparing testplans for testing teams and grooming the backlog consistently
- Multiple development and testing teams' communication in every software release cycle

- Getting into "Meeting Place" and remote "Webex" sessions in five customer deployments to troubleshoot issues and getting them addressed

Senior Project Engineer Jun 2006 – Dec 2007

Wipro Technologies – Hyderabad (India)

- Testing application new features and validating the results
- Automatic test code generation using code generation tool for testing the application software and reducing the time of test development and validation
- Fixing defects which were opened against Aastra's "Application Link" software and providing those fixes as a hot fix to Customers or as part of a Service Pack
- Application package feature development and maintenance using InstallShield and fixing defects.
- Debugging the code and replying to queries and/or analyzing logs received from Aastra's service engineers regarding problems found by customers
- Hot fixes testing with system and load tools and delivering them to customers
- Preparation of quick study report (QSR) for new testing work on OAS support for CSTA Phase-III

▼ Skills:

Languages:

- Java (Object-Oriented), JS, Python, MATLAB

Frameworks:

- Django 2.0, xUnit test frameworks, Bootstrap 4, Solr search platform, Jekyll

Tools/Libraries:

- Selenium Web driver, XML/HTML parsers, JSON, JQuery, DOM, CSS, web browser devtools, QUnit, FuncUnit, SublimeText 3, VSCode, iTerm2, oh-my-zsh, Chart.js, Tree.js, Maven, CD/CI integration like TeamCity, Travis, Jenkins etc, code coverage tools, componentization techniques and other in-house tools, JIRA, Confluence, Workfront, Perforce

Algorithms:

- Binary Tree, BFS, Recursion, Sorting, Asymptotic notation

Design patterns:

- Factory Method, Abstract factory, Composite, Decorator, Observer, Mediator, Singleton, Chain of responsibility, Template method, Strategy and Flyweight

▼ Education and Awards:

Education:

Bachelor of Technology (BTech, Engineering) [University: Jawaharlal Nehru Technological University, Hyderabad – India](#)

Awards:

- "Feather In My Cap" award (6 times) for outstanding Individual Contribution in Automation and leading the team. Also received "Thanks a Zillion" award (2 times) for solving the customer technical issues and retaining the business
- "Maverick Excellence Award" in 2011-12 from Vice-President and Global Head, Cisco Engineering BU, for my testing and automation contribution to the new product "PCCE (Packaged CCE)" during my tenure at the client location, Cisco Systems, USA

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