SIVAKUMAR GANESAN

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EXECUTIVE SUMMARY

➢ **Seasoned Tester** with 12+ years of hands-on experience in software quality assurance, who enjoys validating large-scale and high-performance systems.
  - Extensive hands-on in validating several web, desktop and mobile applications.
  - Specialized in validating web services, and big data systems.
  - Strong knowledge of technology, tools, and techniques to drive faster and high-quality delivery.
  - In-depth working experience in e-Commerce, Publishing, Telecom, Legal and Services industry.

➢ **Test Automation Architect** with proven experience in analysis, design, development, and implementation of robust automated testing solutions from scratch for multiple complex systems.
  - Developed highly reusable automation frameworks for functional, regression, integration and end-to-end testing of multipart systems and flagship products.
  - Pioneered extreme automation to shift-left testing in the development lifecycle.
  - Enabled continuous integration and continuous deployment for several large portfolios.
  - Improved test efficiency and productivity using innovative automated solutions & custom-built tools.

➢ **Experienced Test Lead** who managed multiple large projects, teams & initiatives at the same time.
  - Managed geographically distributed test teams in multi-vendor environment. Ability to influence and motivate teams to deliver high-quality deliverables on time.
  - Build and lead high-performance teams to manage, implement and streamline complex projects.
  - Established testing center of excellence for multiple clients to streamline their testing processes.
  - Helped organizations to transform into agile quickly and efficiently.

TECHNICAL SKILLS

Automation Frameworks	Behavioral Driven, Data Driven, Page Object Model
Automation Tools	Selenium, Cucumber, Spec flow, JMeter, Visual Studio
Test Management Tools	HP ALM, VSTS, VersionOne, Jira, Bugzilla, Test Link
Programming Languages	Java, Python, Shell
Web Services	SOAP, REST
Web Development Languages	HTML, PHP, JavaScript
Other Languages	XML, SQL, XSLT, JSON, VBScript, XQuery
Platforms	Database (Oracle, MySQL, MongoDB), Application Server (Apache HTTP v.2.x, Tomcat v.7/8), Web Development (Twitter Bootstrap), Mobile (Android, IOS)
Big Data	HPCC Systems/ECL, Mark Logic
CI-CD	Jenkins, Git, SVN, Maven, Junit, TestNG
Reporting/Analytics Tools	Tableau, MicroStrategy, RapidMiner
Domain Experience	Publishing, Legal, e-Commerce, Services

EDUCATION

- Master of Information Systems from Wright State University, USA.
- Post Graduate Diploma in Business and Corporate Law from SCDL, India.
- Post Graduate Diploma in Business Administration from SCDL, India.
- Bachelor of Engineering in Electrical and Electronics from Anna University, India.

PROFESSIONAL CERTIFICATIONS

- Project Management Professional (PMP) from the Project Management Institute.
- Agile Certified Practitioner (PMI-ACP) from the Project Management Institute.
- Certified Test Manager (CTAL-TM) from International Software Testing Qualifications Board.
- Certified in Microsoft Dynamics.
- Certified in Financial Markets.

WORK AUTHORIZATION

- Canada – Permanent Resident.

PROFESSIONAL EXPERIENCE

Infosys Limited.	Oct 2010 – Mar 2019

Duration: Mar 2016 – Mar 2019   LexisNexis, Dayton, Ohio, USA   Role: Test Automation Architect

Responsible for overseeing the quality assurance of content fabrication and enrichment systems delivering content to client's flagship web application. The department owns several systems which employ content processing techniques like machine learning and natural language processing to add structure, context, and metadata to content to make it more useful to humans and computers. The core of the portfolio is an Entity Recognition, Resolution and Linking system that aims to deliver a product that allows a user to, on-demand, recognize entities within their document and determine by analysis what the document is all about (Topical classification).

Currently working as the Test automation architect and test lead, managing a team of offshore testers who are validating and automating an NLP based entity recognition, linking and master data management system on a proprietary "Big Data" system named HPCC.

Key Responsibilities and Achievements

- Manage a globally distributed team of 10+ member team doing progressive automation.
- Define automation test strategy and test approach for the entire content enrichment system.
- Increase overall efficiency by bringing in extreme automation and enable CI/CD.
- Create advanced software test automation solutions for Big data using Artificial intelligence.
- Create meaningful analytics to help executives in data-driven decision making.
- Spearheaded modernizing and automating the test suite for HPCC yielding significant savings.
- Automated the ticket resolution system using NLP techniques to resolve known & frequent tickets.
- Leading the way in Agile project management, mentoring 30+ agile and test automation followers.

Environment & Tools: HPCC/ECL (Big Data platform), NLP based entity recognition, Java, XML, SQL, JSON, SOAP and RESTful web service, Jenkins, Selenium, Cucumber, Eclipse, IntelliJ Idea, SVN, Git, Junit, JMeter, Tomcat Web Server, SOAP UI, MongoDB, VersionOne, Bugzilla, Test Link, MS Project.

Duration: Jul 2012 – Mar 2016   **LexisNexis, Dayton, Ohio, USA**   **Role: Technical Test Lead**

Responsible for the quality assurance of a flagship web application used by professional attorneys, law firms and students globally for their legal research. As part of the modernization effort, millions of paying users are migrated from the legacy platform to the new improved web platform as well. Managed a globally distributed team of 15 testers in a multi-vendor environment, performing functional, regression, content-application integration and system integration tests on front-end (Web and Mobile) applications and Middleware (Web services). Facilitated release status meetings, defect triages and user acceptance tests for product releases and M&R.

Key Responsibilities and Achievements
- Helped the SQE department shift left and reduce the time to market yielding $350K YOY savings.
- Awarded by Infosys as one of the top 10 innovators of 2015 for Shift Left & Progressive Automation.
- Created several productivity improvement tools and utilities to reduce the manual effort.
- Defined automation test strategy and test approach for multiple iterative release phases.
- Developed a robust automation framework using Selenium to automate about 15,000 test cases.
- Project Management (Initiation, Planning, Scheduling, Execution, Tracking, and Status Reporting), release/change management support and Stakeholder management.
- Coordinate tasks, set goals and targets, reviews outputs, give performance-based feedback to ensure deliverables are as per required standards.
- Mentor the junior testers in the program on test automation.

Environment & Tools: MarkLogic (Big Data platform), ETL, HP ALM, TFS, VSTS, Jira, Java, Selenium, XML, XQuery, XSLT, Oracle, SQL, SOAP and RESTful web service, Android, IOS, Eclipse, Spec flow, SOAP UI.

Duration: Oct 2010 – Jun 2012   **LexisNexis, Chennai, India**   **Role: Test Analyst**

Responsible for the quality assurance of a backend collection and conversion platform built for documents procured from vendors in different formats. The system collected the documents to a UNIX server using different methods such as FTP, Web Scrape, and an online web portal. The converted documents are made available via MS Word plugin.

Responsibilities
- Evaluate business requirements
- Produce test estimates for the conversion platform and MS Word plugin.
- Define automation strategy and test approach, create and execute automated tests.
- Review and manage the testing team deliverables.
- Triage issues and track them to closure.
- Knowledge management.

Environment & Tools: Unix, Putty, FileZilla, Selenium, Java, SOAP and RESTful web service, ETL, Oracle, SQL, HP Quality Center, HP QTP.

Cognizant Technology Solutions   **Dec 2006 – Oct 2010**

Duration: Mar 2009 – Oct 2010   British Sky Broadcasting, London, UK   Role: Associate - Projects
Responsible for the quality assurance of the e-Sales and e-Services platform for a major broadcasting and telecommunication service provider in the UK. Managed a small team of 5 functional testers performing web application testing covering individual product displays, packages offered, sales, card payment processing, and order fulfillment.

Responsibilities
- Understand the functional test requirements for a e-Sales, card payment, and order fulfillment.
- Create comprehensive testing procedures, and review test procedures from peers.
- Define automation strategy for functional and integration of the e-Sales and e-Services application.
- Execute functional and automated web services test scripts.
- Report the identified problems, test progress and results to the product owner.
- Onsite co-ordination and Stakeholder management.

Environment & Tools: Selenium RC, Java, SOAP and RESTful web service, SQL, HP Quality Center.

Duration: Dec 2006 – Feb 2009   British Sky Broadcasting, Chennai, India   Role: Programmer Analyst
Responsible for the quality assurance of the CRM platform for a major broadcasting and telecommunication service provider in the UK. The core of the portfolio is the CRM system called "Chordiant" which provides full-fledged workflows from customer information, sales to final order tracking and billing information. As a new product or packages becomes available, CRM system and workflows are customized to reflect the new changes.

Responsibilities
- Determine the estimates for testing the business requirements of a CRM application.
- Define test strategy and approach.
- Create comprehensive testing procedures, execute functional and automated regression tests.
- Report the identified problems, test progress and results of testing to business stakeholders.

Environment & Tools: CRM, Chordiant, Vignette ECM, HP Quality Center, HP QTP.