Sai Maheshwaran Rajan

IT Consulting Manager / Test Automation Solution Architect

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🪪 Profile

Test Consulting Manager with 17+ years of experience in managing test automation life cycle for enterprise applications, SAP project testing implementation/delivery, building teams with cutting edge technical skills and working with stake holders, business analysts, developers, and testers during complex projects. Expert knowledge in architecting Test Automation solutions/products using Java, C#, Python and data/ETL testing methodology. Strong communication skills with a proven ability to interact with technical, business, management and stake holders.

✏️ Professional Summary

- Developed Enterprise QE strategies and roadmaps for digital transformation in multiple high value initiatives for multiple Fortune 500 organizations.
- Engineered automation solutions and managed end-to-end test delivery of large-scale implementation project for multiple organizations spanning across industry sectors.
- Experienced in developing automation harness for ERP applications like Oracle and SAP
- Developed a BDD-based IVR testing harness leveraging Twilio call and messaging API and interchangeable Speech-to-Text APIs from Azure
- Multi-domain experience: Core Banking, Investment Banking, Insurance, Power & Utilities, eCommerce and Manufacturing
- Proficient in client facing and working closely with business to identify pain points and areas of improvement in application functionality
- Extensively experienced in all phase of testing: Unit, Integration, System, Regression, Functional and UAT
- Hands-on experience in automating web services testing namely SOAP and RESTful services, ETL processes, setting up CI/CD pipelines using Jenkins and GitHub Actions, design patterns and, data structures in software development
- Hands on experienced in all type of testing: Web interface, Mobile Apps, Desktop Apps, Apis, Data/ETL and compatibility

💼 Work Experience

Jul 2016 – present

Manager - Technology Consulting
EY
Served as Test Consulting Manager (Client Serving)
- Responsible for devising Test Plan and Strategy
- Driven Test Management for several SAP Implementations
- Architecting Test automation solution, a modular product at EY
- Managing Test Automation teams for multiple clients successfully
- Assisting clients on test tool assessments, decisions and process

Sep 2008 – Jun 2016	**Technical Lead - Testing**

IGATE

Served as Software Test Lead

- Delivered projects for all clients with 0 critical or major issues
- Assisting clients with test management and process
- Managed more than 40k resource hours
- Mentored data testing team for delivery excellence

🧠 Skills

Project Leadership ● ● ● ● ●

Exceptional leadership skills demonstrated through successful delivery excellence by implementing onshore offshore model working with multi-cultural diverse global team resulting in significant cost reduction for clients

Test Automation Architect ● ● ● ● ●

Design and implementation of Test automation products using programming languages like Java/Python/C#/JavaScript, TestNG/Junit, BDD gherkhin and other required utilities open source components

Programming Tools ● ● ● ● ●

Experience on Web automation framework like Selenium/WebDriverIO/ Playwright, Unit testing framework like Junit/TestNG, Cucumber, Docker, ReadyApi, Worksoft Certify for SAP, Postman, Github Workflow, SQL, Database

Test Management Tools ● ● ● ● ●

Experience on HP ALM, Atlassian Jira - Xray plugin, Azure DevOps - Test Plan module, SmartBear QAC, Reporting tools like Power BI/Cucumber reports

📁 Projects

Nov 2024 – present	**Healthe Systems**

Test Automation Architect

Healthe Systems is upgrading their entire testing center of excellence, in the process, they are upgrading their test automation capabilities and infrastructure. Responsibility includes developing full blown test automation framework for all platforms (web, api and data) and all type of testing (Unit, SIT, UAT) using java, selenium, rest assured and other BDD & reporting libraries.

Apr 2024 – Oct 2024	**Edward Jones**

Databricks Test Manager

Edward Jones is migrating their data from Oracle to Snowflake, Responsibility in this migration is to manage the end-to-end ETL/Data testing from source to target EDW. Establishing process between client and EY, setting up automation framework, coordinating with client stake holder for review and approval, training offshore team on both technical skill and testing methodology.

Dec 2023 – Mar 2024	**Zoetis**

SAP Test Manager

Zoetis is implementing SAP IBP module, to manage their demand and supply planning process integrating the SAP system to their existing legacy systems. Role includes driving and managing testing process, setting testing standards, coordinating hand shake meetings with client, conducting approval meetings and maintaining stake holder relationship.

Oct 2022 – Nov 2023	**United Missouri Bank**
	Test Consulting Executive Manager

UMB is looking for a strategic partner to support achieving their goal of establishing a scalable Offshore Development Center (ODC) that will reduce costs by a minimum of 35%. Responsibility involved in implement entire offshore modeled TCOE at UMB bank, overseeing 15+ project under TCOE wing, assessing quality of offshore delivery, client stake holder relationship through out the implementation and managing client expectation. Team size is 40 including onsite and offshore resources.

Aug 2022 – Oct 2022	**Canal Insurance Company**
	Guidewire Test Automation Manager

Canal Insurance company is implementing Guidewire solution, to manage their insurance policies, claims and billing services. EY involvement for functional testing and test automation efforts of this project. Test automation is done using EY proprietary tool (NGTP). Heavily involved in client coordination, management and solution designing.

Aug 2021 – Jul 2022	**Nvidia**
	SAP Test Automation Architect

Nvidia is implementing S4 solution, to manage their supply chain demand and material logistics & management. EY involvement for functional testing and test automation efforts of this project. Test automation is done using Worksoft Certify. Heavily involved in client coordination, management and solution designing.

Feb 2021 – Jun 2021	**Border States**
	SAP Test Automation Architect

Borderstates is implementing S4 solution, to manage their supply chain demand and material logistics & management. EY involvement for functional testing and test automation efforts of this project. Test automation is done using Worksoft Certify. Heavily involved in client coordination, management and solution designing.

Aug 2020 – Oct 2020	**Corteva**
	SAP Test Management Executive

Corteva, Inc. (also known as Corteva Agriscience) is a major American agricultural chemical and seed company. Client is implementing SAP Sales & Distribution, Material Management, to manage the supply chain demand and management. EY involvement for testing effort of this project is at executive level. Setting up process, standards and manage quality of testing team across the globe.

Jun 2020 – Aug 2020	**Paycheck Protection Program**
	PowerApps Test Automation Manager

PPP Loan forgiveness platform, an intuitive and educational platform built using Microsoft azure, PowerApps supporting banks (City National Bank, Bank of Montreal, Independent Financial etc..) in delivering end to end loan forgiveness in an efficient manner and helping borrowers monitor their loan forgiveness status through an elevated user experience to clientele and helping them forgive 10 billion USD in loans. Managed onsite testing team size of 5 and completed the project with 0 critical production issues.

Apr 2020 – Jun 2020	**Microsoft** *SAP Test Automation Architect* Microsoft is implementing SAP Business Planning & Consolidation (BPC) module for their product financial revenue reporting purposes. Project is to architect automation solution for testing BPC module. C# programming and excel automation is used to build test automation solution for this module. Automatic validation and verification of all financial calculation for multiple products at Microsoft is core functionality of this test automation solution.
Mar 2019 – Mar 2020	**Florida Power and Light** *SAP Test Automation Architect* Utility company at Florida is implementing SAP in their business to ensure better efficiency and productivity. Project is to create suite of automation scripts to perform testing automatically and assist code drop whenever required. Automating test data creation is also in project scope to support other testing. Let team size of 10 at onshore and 5 at offshore. Developed new product (automation tool using Java, TestNG, Cucumber) at EY specifically for SAP testing. Product own several appreciation and being sold to other SAP projects within EY and external clients.
Mar 2018 – Feb 2019	**Capital Groups** *Test Automation Manager* Capital Group is migrating from old version to new version of Charles River Development (CRD) application. This project is to re-code all the rules in old version to new version and perform unit test on created rule. Entire testing is automated by implementing innovative solution. Innovated solution won several recognition within EY and proposed to multiple client as accelerator of rules testing. Led team size of 10 and won several appreciation from EY internal and client stake holders.
Oct 2017 – Feb 2018	**Huntington Bank** *Senior Technical Test Lead* Huntington's audit team required assistance in auditing test cases across their organization for compliances and industry standards. This helps them is avoiding compliance related issue at company level. Automated entire testing by developing complex SQL on HP ALM database and ran data analysis using VB scripts. Entire effort and cost is reduced by 50%.
Jan 2017 – Sep 2017	**PNC Bank** *Senior Technical Test Lead* PNC second line of defect team responsible for operations required assistance in performing their quality assurance and audit activities. This activity demanded good analytical abilities and process strategies. Automation of certain activity is also expected in the project. Successfully completed automation all the process involved in testing, maintained excellent relationship with client stake holder and led team of 10 US resources.

Oct 2016 – Dec 2016	**Ernst & Young - Mercury**
	Senior Technical Test Lead
	EY implemented SAP solution to bring all core operation application under one roof. Implementation occurred across the globe at several levels. This project is considered one of kind due to involvement of diverse system, multinational business process and also large in terms of scale. Responsible to assess testing requirement and implement automated test suite for regression testing. Manage offshore team on functional testing.
Jul 2016 – Oct 2016	**Alfa Insurance**
	Senior Technical Test Lead
	Guidewire implementation has been carried over at company level as a part of legacy system upgrade process. Testing effort is required to ensure quality of Guidewire implementation and its interaction with other legacy applications. Testing involved in executing automated test suite to assess quality of Guidewire implementation.
Mar 2015 – Jul 2016	**MUFG Union Bank**
	Technical Test Lead
	OFSAA will replace the existing profitability processing and systems reporting for MUFG Americas. This project will upgrade the management reporting systems (both instances of OFSA to OFSAA), along with infrastructure which relate to the age (10 years) of the OFSA solution in place. Involved in testing data migration, data warehousing and consolidated 2052a reporting. Derived test plan, mentored offshore team, managed test schedule and project status reporting.
Sep 2014 – Feb 2015	**Bank of Tokyo-Mitsubishi UFJ**
	Technical Test Lead
	Core Banking Replacement project involving implementation of Oracle Financial Services which is replacing the legacy applications of the bank. Accordingly, database modification is also involved and requirement to check the database structure and data validation of several tables and reports. Technical SME for ETL data testing and SQL expert. Guided team of 20 on technical aspect of data warehouse testing on Oracle Toad.
Jan 2013 – Aug 2014	**Associated Bank**
	Functional Test Lead
	Testing activities include requirements analysis, impact analysis, preparation of test plans and test reporting. Major scope of the project involved testing specialized needs like foreign currency or safekeeping. Led team size of 10 and ran offshore delivery on day to day basis with help of US onsite coordinator.
Sep 2008 – Dec 2012	**Royal Bank of Canada**
	Software Quality Analyst
	Tested Insurance application, OLB application, Credit score applications and SAP Core Banking Transformation project at Royal Bank of Canada (RBC). Performed end to end testing life cycle activities like Requirement analysis, Test design, Test execution, Defect management and Test reporting.