PHALGUNA RAO BAMMIDI

Automation Architect & Framework Developer | Lead SDET

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Summary:

- **Automation Architect** with 9+ years of exposure to Defining, Designing, Developing and Delivering enterprise level test automation architecture
- An **Automation Software Development Engineer in Test (SDET)** with expertise in a range of testing areas, including test automation, functional and non-functional testing (such as security and performance testing), database testing, backend API testing, mobile testing, and DevOps.
- Demonstrated proficiency in **managing multiple automation projects** on different automation tools. Be able to oversee the entire automation process, from initiating and planning to executing, controlling, and reporting.
- Demonstrated the capability to establish and **oversee a Testing Center of Excellence (TCoE)** and build a vibrant QA community. Developed innovative and efficient testing solutions, automation solutions, and automation frameworks that can help accelerate delivery.
- Worked closely with the management team to develop a **long-term automation strategy** that aligns with the organization's goals and objectives. This includes creating a roadmap for automation, selecting appropriate tools and frameworks, and defining the overall approach to automation.

Technical Skill Set:

Testing	Web UI	Java, Selenium WebDriver, Cucumber BDD, Microfocus UFT, TestNg, JUnit
	API	Java, RestAssured, HttpClient, Postman, Swagger
	Database	Java, SQL, Mongo DB, Apache DRUID, MySQL, Oracle DB
	MQ	Java, JMS, IBM MQ, Active MQ, Kafka
	Mobile	Java, Appium, Perfecto, Selenium, Android Studio
	Performance	Apache JMeter, Blazemeter
	Chaos/SRE	DBS Wrecon, RestAssured, Java
	Frameworks	Page Object Model, Keyword Driven, Hybrid, Data Driven
	Design Patterns	Builder, Singleton, Modular
	Reporting	Extent Reports, Allure Reports, Custom Reports, Apache POI, iTextPDF
Development	Backend	Java, J2EE, Springboot MVC, JPA
	Frontend	HTML, CSS, ReactJS, Node JS
	CI/CD	GIT, Jenkins, Team City, Maven, Gradle, Urban Code Deply, Nexus, JFrog
	Cloud	Pivotal Cloud Foundry (PCF), Microsoft AZURE
Project Delivery	Scrum/Kanban	Jira, Planning Poker, Confluence, IBM RTC
	Test Management	JIRA, XRay, Microfocus ALM, Zephyr
	Team Management	User Story Estimation, Business Analysis, MIS Reporting, Defect Triage, Resource Management

Domain Skill Set:

Citi Bank N.A.	Wells Fargo N.A.	DBS Bank, Singapore	Morgan Stanley, N.A.
Retail Banking	Wholesale Banking	Legal, Compliance, Audit	Wealth Management
RPL Cards	Online Check Deposits	Name Screening	FA/CSA Onboarding
Retail Credit, Debit Cards	MICR, ACH Payments	Transaction Screening	
	Global Money Transfers		

Professional Experience:

Worldwide Express - Contract (Springshine Consulting)   **June 2023 – till date**
Automation Architect

Responsibilities carried:
- Leading Test Automation framework installations and implementations for multiple projects in Payments and Invoices team
- Overseeing the implementation and execution of automated tests, ensuring that they are reliable, maintainable, and scalable. Evaluating and improving the automation process, keeping up-to-date with the latest automation tools and technologies to optimize the testing process.
- Performed **GIT code reviews** and **PR approvals** for other team members
- Leading user story estimations, business requirement mapping in Scrum Calls

Morgan Stanley, New York, NY - Contract (Springshine Consulting)   **Mar 2023 – June 2023**
Automation Architect

Responsibilities carried:
- Leading Test Automation framework installations and implementations for multiple projects in Wealth Management
- Overseeing the implementation and execution of automated tests, ensuring that they are reliable, maintainable, and scalable. Evaluating and improving the automation process, keeping up-to-date with the latest automation tools and technologies to optimize the testing process.
- Working with Testing Center of Excellence (TCoE) at organization level to implement best practices across multiple levels of test automation
- Closely working with Development Leads and Scrum Masters for better TOIL Saving with dynamic automation test strategy
- Performed **GIT code reviews** and **PR approvals** for other team members
- Leading user story estimations, business requirement mapping in Scrum Calls

Wells Fargo, Hyderabad, India – Full Time   **June 2021 – Dec 2022**
SDET Lead

Project Name: Global Money Transfer Systems (GMTS)
Technology Configurations: Java, SpringBoot, JMS, Selenium WebDriver, BDD, Cucumber, Gherkin, Gradle and Git
Description: GMTS is core payments system for cross-border payments
Responsibilities carried:
- Determined appropriate testing methods to ensure the developed product meets requirements and design specifications
- Reviewed all test assets related to the project to ensure completeness and quality
- Responsible for testing across multiple phases (SIT, JIT, Regression) and leading peer reviews for test assets
- Mandated adherence to SDLC and testing processes, linking test plans to scenarios and cases, and creating testing deliverables as needed
- Created MQ automation framework which handles payment messages processing with **JMS, IBM MQ**
- Implemented existing UI Automation framework that is based on **Selenium WebDriver, Cucumber, BDD, Java**
- Created multiple payment parsers to parse **XML, JSON, TXT** and **DAT** payment files
- Supported back-end development activities using **Java, SpringBoot, JPA**

- Supported front-end development activities using **ReactJs**
- Performed **GIT code reviews** and **PR approvals** for other team members
- Acted as a **shadow Scrum Master** and exposed to **Kanban Agile Model**
- Supported a payment application development with 5 micro services using **Java SpringBoot, JPA**
- **Banking Domain**: Worked in **Payments** domain of **Wells Fargo, NA**
- Carried out **BlazeMeter** onboarding and integration activities

DBS Bank, Hyderabad, India – Full Time   **January 2019 – June 2021**
SDET

Project Name: Customer Regional Unified Intelligence Surveillance Enterprise (CRUISE)
Technology Configurations: Windows 10, Selenium, Java, BDD, Cucumber, Gherkin, MySQL, DRUID, Maven and Git
Description: CRUISE is a transaction case management engine which grabs alerts from Actimize.
Responsibilities carried:
- Automation testing with intensive Experienced in **Selenium**, **BDD**, **Java**, **jUnit**, **Maven** and **Git**
- Database testing with **SQL,XML, JSON** parsing, **Maria DB**
- Experienced in **NoSQL** Database testing with **Apache DRUID, GraphQL** with exposure to **Postgress**
- REST API testing with **Postman**, **Swagger**
- Experienced in authoring **Cucumber** feature files in **Gherkin** language
- Habituated to rapid Agile Delivery of business with hands on **JIRA**, **Octane, Jenkins**
- Integrated **Jira** and **Zephyr** for all test management activities
- Handled **end-to-end STLC** for functional, database and API testing
- Handling a team of 3 members since August 2019
- Worked extensively on **MySQL**, **Maria DB** and **Apache DRUID**, **Graph** databases
- Acted as a **shadow Scrum Master** and delivered 3 sprints
- Contributed to development of in-house automation framework
- Developed a QA Dashboard with **Java Spring Boot, Angular**
- Migrated existing test scenarios to in-house framework implemented with **BDD, Cucumber** and **jUnit**
- Delivered 10 major releases comprises of more than 150 user stories in 50 sprints.
- Authored **Cucumber** feature files in **Gherkin** language
- Performed code commits to **Git** with **BitBucket** repository
- **Banking Domain:** Worked in **Legal, Compliance, Audit** platform of **DBS Bank, Singapore.**

Project Name: CRUISE – Chatbot Implementation
Technology Configurations: Windows 10, Perfecto Mobile, Android Studio, Appium, Selenium, Java, MySQL, DRUID, Maven and Git
Description: Alert intimation engine for L1 AML alerts monitoring.
Responsibilities carried:
- Automation testing with intensive Experienced in **Appium**, **Java, TestNg, Selenium, Android Studio**
- Executed automated test cases on Perfecto Mobile

Wells Fargo, Hyderabad, India – Full Time   **January 2017 –January 2019**
Senior QA Specialist

Project Name 1: CEO Portal ACH Payments
Technology Configurations: Windows 10, Selenium, Cucumber BDD, Java, TestNG, Maven and SVN
Description: Commercial Electronic Office (CEO) is a commercial banking portal of Wells Fargo.
Responsibilities carried:
- Automation testing with hands on Experienced in **Selenium Web Driver, Cucumber BDD**, Java, TestNG, Maven and SVN

- Automation testing with hands on Experienced in **HP UFT 14.0**, VB Scripting, MS Excel and HP ALM 12.53
- Experienced in Responsive Automation Testing with **Perfecto**, RubyMine and Galen
- Worked on **IBM RIT** tool to execute Web Services test scripts
- Hands on Experienced in handling Microsoft **Excel** macros
- Converted all the existing manual CRs to automation scripts using **Selenium Web Driver**
- Created an **Excel Utility** to handle execution flow of the automation scripts
- Implemented CBT Framework (in-house) for the project
- Created automation scripts for existing smoke suite using **Selenium Web Driver**
- Created automation test data sheets
- Created **SVN** repository for new project and performed code commit
- **Banking Domain:** Worked in **Wholesale Banking** platform of **Wells Fargo Bank, N.A.**

Project Name 2: CEO Desktop Deposit Redesign
Description: It is a check deposit application used by Wells Fargo clients
Role: Automation Tester
Technology Configurations: Windows 10, HP UFT 12.52, Perfecto, VBScript and MS Excel
Responsibilities carried:
- Supported both Mobile and Desktop versions of the Application
- Performed Responsive Web Design Testing in black box testing methodology
- Overhauled the regression automation suit using **HP UFT 12.52**
- Incorporated Image Injection concept in Mobile Automation with **Perfecto Mobile**

Project Name 3: CEO Transaction Search
Description: Statement storage portal used by Wells Fargo clients
Role: Automation Tester
Technology Configurations: Windows 10, HP UFT12.53, VBScript and MS Excel
Responsibilities carried:
- Worked on GAF Framework (in-house)
- Developed UFT automation scripts for 2 sprints and placed them in **HP ALM 12.53**
- Reviewed UFT scripts code for 7 sprints written by vendors

Project Name 4: Secure Document Delivery
Description: A portal to share important documents between bank and clients
Role: Manual Test Lead
Responsibilities carried:
- Lead a team of 5 members
- Performed **SIT, UAT** and **ProdFix** testing
- Wrote Test Scripts for Responsive Testing in **HP ALM 12.52**
- Conducted Test Script Walkthroughs with Business and Development teams
- Prepared an excel utility for daily status reports fetching
- Prepared QA Sigh Off for production

Citi Bank, New York, US – Contract (Tech Mahindra Ltd)   **June 2014 – December 2016**
Software Engineer

Project Name 1: Retail Private Label Integrated Desktop
Description: A customer service based application which deals with private label cards of CITI bank.
Responsibilities carried:
- Automation testing with hands on Experienced in **HP Unified Functional Tester 12.0**, VB Scripting and SQL
- Expert in Agile Testing Methodology with command on **IBM RTC** tool

- Expert in Functional Testing and Black Box Testing Methodology
- Manual testing with command on **HP ALM 12.01** Test Management tool
- Performed User Acceptance Testing in black box testing methodology
- Gave the UAT Estimates to Requirements team
- Wrote Test Plan and Test Scripts
- Attended Test Plan review meetings and Test Script Walkthroughs
- Exposed to the **HP Application Lifecycle Management 12.01** tool for Requirements mapping, Test execution and Defect triggering.
- Prepared UAT Exit criteria report
- Validated the selected scripts in Production environment.
- **Banking Domain:** Worked in **Retail Private Label Cards** platform of **Citi Bank N.A.**

Project Name 2: Sears – Fuel Payment Dispute Initiation
Description: A Dispute resolution flow for the private label cards of CITI bank clients
Role: Software Engineer
Responsibilities carried:
- Performed User Acceptance Testing in **Agile methodology**
- Wrote Test Plan and Test Scripts
- Attended daily stand up calls and sprint calls where I presented the Test Plan and Test Scripts
- Worked on **IBM RTC** Tool to create tasks and to track the time with burnt down chart
- Worked with **Planning Poker** tool to give the points for Sprint User Stories
- Exposed to the Application Lifecycle Management tool for Test execution and Defect triggering.
- Provided scripts to **Ops team** to validate the application on Production day
- Raised Incidents for the issues in Production
- Worked on Monetary functionalities like Credit Line Increase and Delinquent Dispute resolution of a bank card.

Project Name 3: IVR OTP Verification flow in RPLID
Description: Interactive Voice Response testing with CISCO IP Phone to validate an OTP in customer mobile
Role: Software Engineer
Responsibilities carried:
- Wrote Test Plan and Test Scripts
- Attended Test Plan review meetings and Test Script Walkthroughs
- Worked with **Perfecto** cloud mobile tool
- Exposed to the Application Lifecycle Management tool for Requirements mapping, Test execution and Defect triggering.

Project Name 4:   M2H – Phase IV
Description: An application which brings Patients, Hospitals and Insurance Institutes to a single line of business.
Role: Software Engineer
Responsibilities carried:
- Prepared Test Data sheets
- Worked on UAT regression scripts to prepare Automation scripts
- Worked on Hybrid Frame Work
- Worked on **HP Unified Functional Tester 12.0** to prepare Application functions
- Worked with **VB Scripting** and **SQL**

Appreciations:
- Manager Spotlight Award from Wells Fargo Payments Head in Q4 2022

- Super Rookie Award from DBS MOT Head in Quarter-2 2020
- Best Team Award for Q4 2019 from DBS MOT Head
- Consider it Done Award from DBS MOT LCSA Business Head in Quarter-2 2019
- Best Learner Award from DBS L&D in Q1 2019
- Appreciations from Wells Fargo Senior Management
- Best Team Award for Quarter-3 2015
- Pat on Back (TechM highest award for an ELTP)
- Appreciations from CITI Bank Clients
- Appreciations from Tech Mahindra Senior Management

Graduation: Bachelor of Technology (Mechanical) with 8.43 CGPA from RGUKT (IIIT Nuzvid), India.

Certifications:
- Microsoft Azure Fundamentals (AZ-900) – Cloud Certification
- ISTQB Foundation Level, Cert-No: ITB-CTFL 0091516 from Indian Testing Board.
- Completed SQL, GIT Version Control, HTML Essentials Certifications from LinkedIn, Lynda.com
- Completed Scrum Master & Product Owner course from Pluralsight.com

Papers Submitted:
- Submitted a White Paper titled 'Mind Maps and Story Boards: A Modern approach to Requirements Gathering' in Step-IN Forum.
- Submitted a paper on "Responsive Web Design Testing" in Wells Fargo Internal Forum.
- Submitted a paper titled "Automating Mobile Check Scanning with HP UFT and Perfecto Mobile" in Wells Fargo Internal Forum.

Social Interactions:
- Member of **International Toastmasters**
- GIT Repository : https://github.com/Phalgunab/
- WordPress Page: https://phalgunawritings.wordpress.com