**PHALGUNA RAO BAMMIDI**
Senior Software Quality Engineer
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**Summary:**
- A dynamic and creative **Senior Software Quality Engineer** with 10.5 years of exposure to defining, designing, developing and delivering enterprise level test automation
- Possess the expertise of a **Software Development Engineer in Test (SDET)** in range of testing areas, including test automation, functional and non-functional testing (performance testing), database testing, API testing, Website testing, mobile testing & chaos testing.
- Designing & developing a **$1M SGD GenAI based Automated Test Management Product** aimed to achieve 100% in-sprint automation.
- Developed Service Virtualization tools including **Data Emulators** to mock external interface applications
- Demonstrated proficiency in setting the bar high in **managing multiple automation projects** on different automation tools, **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:**

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|---|---|---|
| Testing | Web UI | Java, Spring boot, Selenium WebDriver, Cucumber BDD, Microfocus UFT, TestNg, JUnit, Playwright |
| | API | Java, RestAssured, HttpClient, Postman, Swagger |
| | Database | Java, SQL, 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 Wreckon, RestAssured, Java |
| | Frameworks | Behavior Driven, 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, JPA |
| | Frontend | HTML, CSS, Angular, Node |
| | Cloud | Pivotal Cloud Foundry (PCF), Microsoft AZURE |
| CI/CD | Ecosystem | GIT, Jenkins, Team City, Maven, Gradle, Urban Code Deploy, Nexus, JFrog |
| 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 | | |
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**Professional Experience:**

**DBS Bank, Singapore – Contract (A-IT Software Pvt Ltd)**                    **January 2024 – till date**
**Lead SDET**

Project Name: Customer Regional Unified Intelligence Surveillance Enterprise (CRUISE)
Technology Configurations: 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:
- Leading Test Automation activities for UI, Rest API and DB
- Leading Performance & Rollback Testing activities

Project Name: Release Test Manager (RTM)
Technology Configurations: Java, Springboot, JPA, Angular
Description: It's an application to plan Release Test Approaches and Testing Sign Off activities
Responsibilities carried:
- Planned and implemented the architecture
- Created Database ER diagrams
- Carrying Backend and Frontend Web Development activities
- Developed JWT Authentication, Password Reset, Access Matrix, StanfordNLP integrations

Project Name: Data Emulators – Service Virtualization
Technology Configurations: Java, Springboot, JPA
Description: These are set of application to generate and mock test data.
Responsibilities carried:
- Leading Backend Web Development activities

Project Name: SRE & QA Dashboard (SQUAD)
Technology Configurations: Java, Springboot, JPA, Angular
Description: It's a dashboard to track testing metrics from different applications starting from JIRA, Jenkins and Sonar.
Responsibilities carried:
- Leading Backend Web Development activities

**Worldwide Express, Dallas, TX, USA - Contract (Springshine Consulting)**          **June 2023 – Oct 2023**
**Lead SDET**

**Responsibilities carried:**
- Managed a team of 12 with 4 from onshore and 8 from offshore
- Worked on both API and UI automation for a huge backlog of manual test cases
- Used RestAssured, Java with TestNg for API automation
- Used Playwright with Java for UI Automation
- Performed **GIT code reviews** and **PR approvals** for other team members
- Leading user story estimations, business requirement mapping in Scrum Calls
- **Domain**: Worked in **Payments & Invoices** domain of **Worldwide Express, Texas**

**Morgan Stanley, New York, NY, USA - Contract (Springshine Consulting)**   **Mar 2023 – June 2023**
**Lead SDET**

**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
- **Banking Domain**: Worked in **Wealth Management** domain of **Morgan Stanley, NA**

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

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
- 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.**


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

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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, Hyderabad, India – 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**
- Portfolio: https://phalgunab.github.io/home/
- GIT Repository : https://github.com/Phalgunab/
- WordPress Page: https://phalgunawritings.wordpress.com