

## VAMSHA SHETTY

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### SNAPSHOT

A seasoned IT professional with **10+** years of rich and qualitative experience in Architecting spring boot frameworks, Software test release management, Testing - SDLC, Automation in all leading tools, Lean product development - Initiation, Deployments, Gap Analysis, Product Implementation - all in Waterfall, Iterative and Scrum models. Worked extensively in Forex, Banking (commercial, trade & bidding), IoT and Device management software space. Multi-platform expertise with iOS, Android, Windows and Unix apps. Excellent communication & interpersonal skills with proven abilities in forming strategies and resolving complex product lifecycle issues.

Spring Boot Architect, Selenium enthusiast. Supervised and Implemented frameworks for multiple projects on web, mobile and desktop apps within very short timeframes. Managed mid-size teams.

Currently deployed as a Program Manager in Development, ERS with **HCL Technologies Pvt. Ltd.** mainly planning and building spring boot frameworks around session management, multi tenancy etc., for an internal product, Falcon.

### CORE COMPETENCIES

Dev Languages & Frameworks:	Java, Javascript, Spring Boot
Database & Middleware:	Oracle 9i, SQL server 2005, PostgreSQL, IBM MQ, DB2
Cloud:	AWS, S3, Google Cloud Shell
Software Architecture:	SOA, Client-server/ Multi-tiered
Automation Frameworks/Perf & Debugging Tools:	Selenium WebDriver & Grid, Telerik, Test Stack White, WinAppDriver, PhantomJS-GhostDriver, Load test utility, Firebug, XPather, FirePath.
Web Services/API Tools & Standards:	JMeter, Blazemeter, SOAP UI, REST
Web technologies, tools and protocols:	HTML, DW, SOAP, XML, WSDL, XML spy, WinMerge
Product Platform:	Java, .net, iOS/XCode on Mac, Android on ADT sdk
Continuous Integration:	Jenkins w/ pipelines
ALM Tools:	Team Foundation Server, Jira
Security/Debugging Tools:	Internal Log analysis utility, Auth Server [BSSS]
Deployment OS:	Unix, Windows
Code check in repository/tool:	Tortoise, Github, SVN
Defect Tracking Tools:	BugZilla, Jira, TFS-TM
BDD:	Cucumber(Gherkin)
Web and App servers:	Weblogic, Apache, JBoss, IIS

## ORGANIZATIONAL EXPERIENCE TIMELINE

- August 2004 to April 2007 - Visual Web Solutions [now ACI Worldwide] as a Test Engineer
- April 2007 to November 2008 - Integral India software Dev. Pvt. Ltd. as a QA Engineer
- December 2008 to June 2010 – Mformation India Pvt. Ltd. as a Software Engineer
- July 2010 to September 2013 - Arthur J. Gallagher & Co./Pramati Technologies, as a software QA Lead
- September 2013 – Integral India Software Development Pvt. Ltd. as Lead Software QA Engineer
- November 2015 to June 2017 – Ridgehead Software Pvt. Ltd.
- Since May 2018 – HCL Technologies Pvt. Ltd (Deployed with Schneider Electric, Alcon and now part of internal RnD)

## PROJECTS

### Schneider Electric

Managed a team of up to 14 members across sprint, regression and automation clusters for Commissioning software, Ecoreach. Involved in providing solutions to optimize efforts in manual and automated space, helped strategize scripts-creation for quicker and targeted execution.

Was responsible for managing technology in projects and providing technical guidance / solutions for work completion, guiding the team members in enhancing their technical capabilities and increasing productivity, participation in technical discussions/review and prepare and consolidation of status reports for minimizing exposure and risks on the project or closure of escalations.

### Alcon

Managed performance lab and automation setups for the cataract application, SMARTCAT, a cloud-deployed solution on AWS.

### CoE, RnD

Implemented session management and multi tenancy for an internal tool, Falcon, using spring boot framework.

### Hitachi – Johnson controls

Responsible for managing aspects of the automation framework for VRF – a desktop based WPF application. Project plan, estimates, roadmap and essential POCs with test stack white framework, Winappdriver Framework, Telerik test studio etc. was part of the contribution.

### Ridgehead

Automation framework implemented for multiple projects within a very short timeframe. Hybrid framework used for the implementation with Java and testNG. Independent work with Selenium 2.0 - on CMS and ticketing system UIs with Kendo controls customized through selectors to build test suites for the projects.

Hybrid framework that works well on all development platforms consistently used across companies/projects with great efficiency. Detected bugs through the suites, maintained the test suites regularly in accordance with constantly changing code base. Optimized the test framework in a way to keep maintenance at its minimum.

## **Integral**

PhantomJS - Automation project on FXInside - HTML client implemented with PhantomJS with Ghostdriver and Selenium Grid. Core scripts run on the grid using Jenkins CI and headless execution via Ghostdriver-PhantomJS framework. Jasmine scripts with java scripts were used for execution with sure-fire reports.

Selenium 2.0 – 88% of cases were converted to automated components, increasing efficiency and hence shifting focus to enhancements alone being tested along with non-automatable modules. Resources in effect would be rid of redundant tests and focus on complex layers of the product.

Grid - cross browser compatibility scripts for FXInside - HTML client. Grid implemented on multiple machines that were on various versions on windows with a large variety of browsers. Triggered suites on mac as well, check-ins were maintained in parallel with development code base.

AutoIT with PSEXec - Remote execution automation scripts for a windows based FXInside .net app.

iOS – Manual scope of activities on iOS application for FXInside and TrueFX apps with XCode for extensive debugging and Instruments for analysis on Mac.

Android – Manual scope of activities for TrueFX app for Android, ADT bundle for windows with Android sdk and Eclipse were used for debugging and analysis.

## **Arthur J. Gallagher**

In-house Test management and Automation

Team management, revolving around in-house product QA activities for AJG - Brokerage Services and Gallagher Benefits Divisions.

Managed a team of 3-4 members and led agile projects from infancy to release. Drawing up estimates based on WBS, analysis of other suitable estimation methods and driving the team in scrum model until release were few of the activities involved.

Automation attempts with Selenium in C# for BSD-CSP and GBS-NTT applications.

Created UI tests from Selenium IDE, exported them to C# and included this in Visual Studio that references NUnit and .net client drivers; conversion of scripts from selenese to C# and Java.

Familiarity in Assertions, Element Locators, String-Matches and Actions.

Active analysis of sharepoint-based sites and independent ASP.net based pages to arrive at a suitable framework. Framework taken up for initiation: keyword-driven model to arrive at application-independent solutions.

### Client Services Work flow Tool - Brokerage Services Division

Lead testing team and co-ordinate 12 releases between on-site development, on-site operations Efficiency and Off shore testing teams using Team Foundation Server and Sharepoint apps for divisional integration.

Analyze and arrive at suitable methods of estimation to accommodate agile methods.

Help form teams based on project and customer requirements, guide and drive the team on an everyday basis towards project expectations.

Provide man day estimates on the project and develop trend charts, complexity matrices and project time-lines; Revise and improve project efficiency by optimizing work efforts - achieved approx. 20% increase in efficiency across two releases with similar workload.

Manage scrum calls between the teams and extract/update project development status. Simulate UAT with real time users.

Gained client appreciation at many stages of the cycle for constant improvising and foresight.

#### Non Discrimination Testing Tool – Gallagher Benefit Services

Attempts to automate the tool using Selenium with keyword driven framework.

Drive the team from infancy to release on scrum model, across two releases.

Optimized efficiency and analyzed/implemented substitute tools for monotonous work.

#### **Mformation**

Testing, Quality Assurance for Clients: TMO-US, SPRINT, Vodafone-UK, Vodafone-GE

#### Hopi Phase2: Adobe mobile client Integration & Hadar

Involved in managing the project data and testing phase in QA - extensively worked on deployment, application and commands validation around OTA through OMA DM server, SMTP protocols, synchronous and asynchronous tests, client provisioning etc., firmware updates across smartphone devices.

Deriving plans and overseeing execution. Performed Integration, system and functional testing on the modules involved.

Performed web services tests using SOAPUI and JMeter (for load tests). WSDL validations were done and request responses validated using SOAPUI modules.

Built an internal project management dashboard based on HTML/CSS with XML fusion charts feed for active data monitoring and trend-plotting activities in HADAR project - Gained appreciation from seniors and onsite management and led to the tool being officially used after wrapping the tool in php for further possible integration with dynamic data from bugzilla and the likes.

#### **Integral**

Testing for Clients: Ueda Harlow and GrupoSantander clients, in Europe [Broker adaptor/ Order adaptor modules].

#### FX Inside – Broker-Adapter Module

Test price aggregation from various liquidity providers, validation of order matching with the best rate, high priority liquidity providers.

Validation of spreads, Improved prices to client, preserving the spread etc.

Validate modules comprising of ESP and RFS techniques of quote streaming. Integration with other products of the application and validation against live liquidity providers was carried out.

Testing involves using various clients of the platform built on .net, FIX, CSDK and Java to validate compatibility.

Day In testing Life is implemented in sync with product management team for stress and load testing. Train team members.

Ensure compliance of FIX protocol in trade transactions between the apps and adapters.

## **ACI Worldwide**

Testing for Clients: KasiKorn Bank, Thailand DBS Bank [Singapore prototype used in India, Indonesia and China projects] Overseas Chinese Bank Corporation, Singapore/Malaysia

Business Analysis for Clients: Thai Military Bank (TMB), Bangkok Thai Military Bank (TMB), Bangkok

Extracted requirements for the bank's trading application based on the existing core product prototype and developed specifications and test plans.

Modules included in the application were LC issuance and Amendment along with shipping guarantee.

Synchronize development activities and on-site product management during the entire phase of gap analysis and change requests for the product.

Monitor bug fixes and releases within deadlines allotted.

Contribute in rolling out the web-based front end product to production successfully on time. Support on-site resources during SIT, VIT and UAT testing cycles.

### DBS Bank, Overseas Chinese Banking Corporation, Singapore/Malaysia.

The product comprises of Cash Management and Trade Finance applications and testing involved trade, payments, statements, file uploads and OCOE modules.

Deployment on Unix platform for the whole component was made and tested. OCOE bidding module was tested for XML uploads and downloads through middle-wares.

Unique ids and data were tested for during the bidding cycle for motor certification. Involved in installation and Integration activities within the web app, database and middle-wares.

Validated SWIFT protocol used to provision processing of payments, statements and trade transactions between the middle-ware and apps on an industry defined standard.

Performed load tests with internally developed python based utility.

KT and execution attempts on automation scripts, with Winrunner.

### KasiKorn Bank, Thailand

Quality Assurance and specification analysis for the project.

Co ordinated w/ on-site resources and actively involved in testing of the front end web-based product.

Involved in security tests using internal hack utilities.

Worked on password encryption tools like BSSS for the product, which included tests around Challenge - response and one time password features for the hardware device used to log into the web app.

The product comprises of Cash Management application and testing included payment and statement modules.

Deployment on Unix platform for the whole component was made and tested.

Manipulated databases with SQL queries, intermediate. Handled production support, for on-site resources.

## **FUNCTIONAL SUMMARY**

### Product Management & Product Development

Implementing product plans while adhering to deadlines. Defined estimates based on internal estimate methods and wideband delphi.

Analyzed Functional points estimation technique.

Gap Analysis and technical scope discussion on new projects.

Bug triages and release life cycle management on production, staging and test environments.

Impact analysis on the developed code and decide on affected areas in the application.

Train and mentor team members on the entire architecture of concerned projects and team co- ordination activities.

Finalize requirements for the test and development teams with detailed specifications.

Adept in SOA and server-client architectures, testing the frameworks based on these and the entire SDLC process involved.

Explore methods to smarten work at the workplace and in projects, initiate and develop tools with markup languages. Generate work through initiatives when official workload is less, boost morale and try and keep the team prepped up for technological advancements.

Designed websites in my free time and possess quite some expertise in markup languages, css hacks, web standards and browser compatibility design strategies.

### Product Testing & Automation

Perform various testing approaches for the product, white box testing on all of the architectural layers, explore automation possibilities.

Automation framework implemented and maintained across projects with great efficiency – 88% of regression efforts were brought down through effective cases. Code base maintained well in sync with changing product code.

Engineer test case design / strategies for design verification/ product validation.

Conduct Functional Tests, User Acceptance Tests and analysis of Reported Defects.

Used Selenium on .net platform and experimental tests were carried out on major browsers.

### Quality Assurance

Defining, assisting and managing QA programs in the organization, overseeing metrics data collection, sync-up with core team on every release. Standards pegged against required metrics.

### Client Relationship Management

Accessing feedback and implementing necessary optimization.

Daily scrum meets with Development and Operations Efficiency teams to ensure quick resolution of impediments and desired progress in scrum cycles.

**ACADEMIC CREDENTIALS**

Bachelor of Engineering from Visweshwariah Technological University with 64% aggregate, Batch - 2004.

**PERSONAL DOSSIER**

Date of Birth: April 5, 1982.