

SUBRAMANYAM ARUN KUMAR ETHAKOTA

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Location - Dallas

Experience Summary:

13+ Years of progressive experience in software Testing, Development life cycle which includes requirements analysis, Test Planning, Test Design, Estimation and Automation testing of various client/server, web applications, Main Frame Applications, AWS Cloud based, Windows applications and Mobile Applications [Android & IOS]

Technical Skills Summary:

- Expertise in Banking, Airline & Insurance domain with strong knowledge in Mobile testing
- Expertise in Mobile Automation Testing, Back End Automation, AWS Cloud Service Automation, Azure devops.
- Experience in setting up FitNesse, Serenity with Jbehave, BDD Cucumber, TestNG, MSTest frameworks for backend enterprise level java, C# service automation.
- Experience in automating web and mobile applications using selenium & Appium Framework.
- Experience in creating instrumentation tests using Espresso UI and Jetpack Compose testing frameworks.
- Experience with service automation by setting up local stack involving AWS dynamoDB, SNS, SQS, Kinesis streams.
- Experience creating automation framework using C# and windows application using windows application driver.
- Experience with creating Automation framework in Spring and TestNG.
- Experience in integrating the acceptance tests with Jenkins, sonarqube setup.
- Strong QA Leadership Skills and Experience working in Agile/Scrum BDD environment.
- Experience in automating web, standalone applications, Microsoft Silverlight Apps and Documents using UFT
- Experience in web service testing (SOAP/REST/API) using Soap UI and postman, Rest Assured, HTTP client.

- Experience in automating new **web/React/Java** Script applications using **Selenium webdriverio** integrated with sauce labs [node.js, WebStorm & Mocha chai Frameworks]
- **ISTQB Certified Tester, Insurance Domain LOMA 281 Business certification, Tosca automation** certified.

Skills:

- IDE - Rational Application Developer, Eclipse, IntelliJ, WebStorm, Android Studio, Xcode, Visual Studio.
- Technical Skills – **Java**, C#, JavaScript, VBScript, Selenium, Junit, UFT/QTP, Perfecto **Mobile**, ALM Quality Center, Mocha Chai, Node.js, Soap UI, **AWS** Services, DynamoDB, Kinesis, SNS, SQS, JMS, Azure devops, Spring, Bitbar, qtest, Sauce labs, Tosca, Appium, Espresso, compose UI, Perfecto, RestAssured, Servicebus, functionApp, CosmosDB
- Database systems – Toad for Oracle, SQL, Sybase, Oracle, DB Visualizer
- Frameworks & Design Patterns - Page Object Model in Selenium, Hybrid Framework, Data Driven, Keyword Driven Framework, **Cucumber BDD**, Serenity with Jbehave, FitNesse, Spring
- Configuration Mgmt Tools - IBM RTC, Star Team, Gitlab, Stash, Jenkins, Gradle , Maven
- Operating Systems - Windows, Linux, MacOS

Work Experience:

Current Project – Design and maintain Tax accounting Browser based and desktop applications.

Role – Sr SDET | Tools/Apps – Selenium, Appium, WinAppDriver, WebAPI, Azure Devops, MSTest, C#

Client – Wolters Kluwer | Location – Dallas | Duration – June 2023 - Current

Job Duties:

1. Create **Automation** scripts using C# for windows-based application and enhance the framework.

2. Create Framework to automate inbuilt Webviews in windows-based application and utilize the same framework for browser-based applications using MSTest Framework and HTTP Client.
3. Involve in code reviews and fix or discuss issues enterprise level.
4. Work on backend services such as Azure devops services Service bus, Cosmos, sql, data bricks and storage accounts including Vm's
5. Create and maintain CI/CD pipeline to automate the E2E testing which triggers on self-hosted machines for windows-based applications and azure pipelines for browser-based applications.
6. Monitor logs in Azure App insights and involve in all QA meetings and dev sync up calls.

Recent project – Design and maintain enterprise level Authentication and Security modules for USAA **mobile** & **Web** application.

Role – Sr SDET | Tools/Apps – Selenium, Espresso, Compose UI, Charles, Apk analyzer, monitor tools, Junit, Mockito, **Rest** Assured

Client – USAA | Location – Plano TX | Duration – April 2020 – June 2023

Job duties

1. Create **Automation** scripts for new development features. Also, Enhance the impacted scripts for existing features using Selenium **Cucumber BDD** and Appium framework.
2. Support and Create **API** scripts using postman and **Rest** Assured for backend APIs.
3. Involve in code reviews and fix integration issues related to enterprise level **core** modules.
4. Continue to research and create **automation** scripts or instrumentation tests using Espresso and compose UI framework.
5. Work with developers and provide feedback to modify the application code that impacts **mobile automation**, **web automation** or bugs that are caught in **automation**.
6. Cover different devices, screen sizes, browsers, and cloud-based testing as part of **automation**.
7. Execute and monitor the **automation** scripts through CICD pipeline.

8. Monitor the logs in Splunk, Kibana, firebase, adobe site cat tagging and android studio logcat logs.
9. All other QA agile activities including test planning, test strategy and test reporting and demo.

Previous Projects

Project 1: Automation Framework development for Southwest schedule change Services

Client: Southwest Airlines | Duration: Nov 2019 – April 2020 | Job Title: Automation Developer | Location – Dallas, TX

Job Duties:

1. Design Automation framework to handle java messaging services, Sybase, logs, standalone applications, backend services.
2. Develop the Gradle project by creating base configurations in Spring Framework and create beans.
3. Inject dependency and create java classes to handle core functionality.
4. Develop Test Scripts using Spring with TestNG and automate the backend services and Customize automation reports using Extended Reports
5. Handle dynamic input from database for Test scripts from java properties file
6. Develop Scripts using Sikuli for standalone application.
7. Use code quality plugins to check PMD, check styles and find bugs.
8. Gradle configurations is made to run the scripts for every build.
9. Design the Jenkins configuration and integrate the automation project with Jenkins.
10. Merge the changes to master after fixing all the code review comments from developers.
11. Involve in code reviews for development stories in stash.
12. Integrate the automation project with development service project and monitor the test results in Jenkins when automation scripts result for any changes in development scripts

Environment: Java, Spring Framework, TestNG, JMS, Sybase, Extent Reports, Gradle, Jenkins, Stash, Sikuli, IntelliJ.

Project 2: Automate Southwest Airlines flight tracking delay functionality cloud service and notifications.

Client - Southwest Airlines | Duration – Jul 2019 – Nov 2019 | Job Title – Automation Developer | location – Dallas, TX

Job Duties:

1. Design and Develop Automation framework to handle the Amazon web service components.
2. Design multi Gradle project and develop automation as sub project in development service
3. Design local environment Setup using AWS local stack.
4. Develop shell scripts and configure environment to trigger the services locally in python.
5. Design and create the tables, topics/queues and kinesis stream in Amazon AWS CLI
6. Develop the fixtures for Amazon AWS services, AWS database, AWS kinesis stream, AWS messaging topics and queues using FitNesse automation framework.
7. Configure the gradle tasks to execute the service locally, execute the fitness server locally and run tests.
8. Create groovy scripts to handle the external tasks to run the service locally from Jenkins
9. Use code quality plugins to check PMD, checkstyles and findbugs
10. Design the Jenkins configuration and integrate the automation project with Jenkins
11. Merge the changes to master after fixing all the code review comments from developers.
12. Involve in code reviews for development stories in stash.
13. Integrate the automation project with development service project and monitor the test results in Jenkins when automation scripts result for any changes in development scripts

Environment: Java, FitNesse Framework, AWS Localstack, Gradle, IntelliJ, AWS DynamoDB, AWS kinesis Stream, AWS SQS, AWS SNS, python, groovy, Jenkins, json, xml

Project 3: Automate the New business and In-force Suitability Application using selenium Java and also develop the user interface.

The Business objective of this project is to automate the New York Life insurance Suitability Application and create a framework to handle all future changes in suitability and also support developing User interface.

Client - New York Life insurance | Duration – Feb 2018 – July 2019 | Job Title – Senior Automation Engineer | Location – Dallas, TX & Hyderabad, India

Job Duties/Responsibilities:

- Involve in understanding the functional requirements of the application.
- Developed Base Engine, Data engine and Reporting Engine.
- Use BDD cucumber framework to analyze the user-story and writing acceptance criteria.
- Write Test automation script in Selenium Web Driver.
- Create page object model selenium frameworks.
- Enhanced the framework to work in selenium grid by controlling just a flag from configuration property file.
- Tested report output in UI, PDF, Excel, and Text.
- Worked with SOAP/REST for web service testing.
- Created scripts for rest services and database testing
- Tested automation for web application using Cucumber.
- Analyzed and gained understanding the requirements specifications.
- Answered Web Service request -response validations using SOAP UI.
- Reviewed, created and executed test cases, test scripts and documentation related to functional, backend and integration testing based on the user stories.
- Attended bi-weekly regular scrum meeting with the client QA team and managers.
- Created the re-usable Components for Automation test Cases.
- Tested plug-in to run the Selenium scripts.
- Tested specific function within application, requiring some type of user input, and returning some type of results.
- Created Automation Scripts for Test Data creation and Regression Testing.
- Performed Positive & Negative testing through Automation.
- Responsible for Script Development, Debugging and Reviewing.
- Developed Base Classes with the common logic at one place for the framework usage.

- Developed Data Handler Classes to read the data from the CSV, Property File, TDM and DB.
- Developed the **Web** Report Listener class to generate the HTML report for every script execution.
- Used Logger classes to record the logs for every execution.
- Developed a common property file to control the framework like implicit wait, explicit wait, flags to turn on screenshot etc.

Environment: **Java**, Selenium, Gradle, .Net, Soap UI, Toad for Oracle, UFT, SQL

Project 4: Implement a new feature that saves money through a text message for USAA.

Implement new feature to show Savings vs investments graph in savings assurance.

The Business objective of this project is to create a new application that is integrated with the IOS/Android Device Text message SMS application which would help member save money through the text/SMS commands.

Client – USAA | Duration – Aug 2017 – Feb 2018 | Job Title – **Automation** & Manual QA Lead | location – San Antonio, TX

Responsibilities:

- Involved in Understanding the Functional Requirements of the Application.
- Create Test **Automation** Script using Mocha Chai Framework for Front End New **Web**[JS] App
- Automate **Java** Script New **web** application using Selenium webdriverIO
- Worked with SOAP/**Rest** Assured **Web** service testing.
- Write SQL queries to perform database testing or retrieve the test data.
- **BDD Cucumber** Framework
- Involve with different stakeholders in understanding the requirements and clear all the gaps.
- Review the scripts created by other members in the team.

Environment: Selenium, webdriverio, webstorm ,Mocha Chai, UFT- Perfecto, node.js, saucelabs, **Rest** Assured

Project 5: Enhancements to Deposits@ Mobile USAA Mobile App that allows member to Scan Checks in Mobile Application

The Business objective of this project is to Enhance the existing USAA native app[iOS & Android] which is would allow members to Scan Checks easily and Deposit them to Bank Accounts

Client – USAA | Duration – May 2016 – Aug 2017 | Job Title – Automation and Manual QA Lead
| Location – San Antonio

Responsibilities:

- Automate Mobile Application Using Perfecto Appium Framework
- Write complex SQL queries using TOAD for Oracle to retrieve the data from database
- Store all the Scripts in GIT repository.
- Review the scripts created by the team.
- Create Regression bed and submit the scripts to regression team
- Understand the complex requirements for Check scanning and requirements
- Use perfecto Appium Framework in automating the test scripts
- Test Strategy, Test planning, Test Estimation, Attend all scrum meetings, Iteration Demo

Environment: Java, Selenium, Perfecto, Appium, Maven, Jenkins, Cucumber BDD

Project 6: Selenium Framework Development

Develop the Selenium framework in Java 1.7 for USAA to test multiple channels like Dotcom, Portal, Mobile and Host where the framework will have to generate report in HTML after executing a selenium script. Also Framework should have capability of reading the data from CSV, Transposed CSV, Property File, Database and TDM.

Employer – Tata Consultancy Services | Client – USAA | Duration – Feb 2015 – April 2016 | Job Title – Automation Lead | Location – San Antonio, TX, USA & Hyderabad, India

Responsibilities

- Involved in Requirements Gathering, Development and Documentation.

- UML class diagram for the framework design
- Worked on the High Level and Low Level Design Documentation.
- Implemented customized selenium frame work.
- Worked on the Base, Data Engine and Reporting layer with classes to interact.
- Involved in writing and modifying DB2 Queries.
- Involved in Developing Base Classes with the common logic at one place for the framework usage.
- Involved in DevelopingData Handler Classes to read the data from the CSV, Property File, TDM and DB.
- Involved in Developingthe **Web** Report Listener class to generate the HTML report for every script execution.
- Extensively used Logger classes to record the logs for every execution.
- Developed a common property file to control the framework like implicit wait, explicit wait, flags to turn on screenshot etc.,
- Enhanced the framework to work in selenium grid by controlling just a flag from configuration property file.

Environment: **Java**, TDD Framework, Selenium, DB, Eclipse

Project 7: Design and Development of Mortgage Cadence Application for USAA

The business objective of the Cadence Application is to move the Mortgage process from impact, UniFI to a new System called Mortgage Cadence

Client – USAA | Duration – Jan 2014 – Dec 2015 | Job Title – **Automation** and QA Lead |

Location – Chennai, India

Responsibilities:

- Automate the Silver Light Application using UFT
- Use Descriptive programming in automating the complex scenarios where the object identification is difficult.
- **Automation** Demo & Tasks Assignments to the team
- Create UFT silverlight framework for the team to maintain scripts

- Analyze automating silverlight application using Selenium

Environment: UFT, Microsoft Silverlight, TDD Framework, Selenium, Progress4GL,

Project 8: Design and Develop imPACT Application for USAA & Implement Federal regulations on Unifi Mortgage application for USAA

The business objective of the Cadence Application is to move the Mortgage process from impact, UniFI to a new System called Mortgage Cadence

Also Support implementation of federal regulation for unifi& Credit revue application for existing mortgage & Home equity loans that are not moved to cadence application

Employer – Tata Consultancy Services | Client – USAA | Duration – Jun 2011 – Dec 2013 | Job Title – Automation and QA Lead | location – Chennai, India

Responsibilities:

- Automate the imPACT IBM Web Application using UFT
- Use Descriptive programming in automating the complex scenarios where the object identification is difficult
- Automation Demo & Tasks Assignments to the team
- Automate Unifi Progress 4GL application using UFT
- Create Automation framework for progress 4gl application
- Create automation framework for main frame Credit revue application

Environment: UFT, Microsoft Silverlight, TDD Framework, Selenium, MainFrame Application

Education:

- Master's degree in information science, Texas A&M International University, United States, 2021
- Bachelor of Technology with specialization in CHEMICAL ENGINEERING, Pondicherry University, Pondicherry, India, 2009.

Subramanyam Arun Kumar Ethakota

- Dallas, TX, US

Contact Information

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- 2108036494

Summary

10+ Years of progressive experience in software Testing, Development life cycle which includes requirements analysis, Test Planning, Test Design, Estimation and **Automation** testing of various clientserver, **web** applications, Main Frame Applications, **AWS** Cloud based and **Mobile** Applications [Android & IOS] Skills: -- **Java**, HTML, JavaScript, SQL, VBScript -- Selenium, Junit, UFTQTP, Perfecto **Mobile**, ALM Quality Center **J2EE**, JDBC, Mocha Chai, Node.js, qTest, Tosca, Appium -- Toad for Oracle, SQL, Sybase, Oracle, DB visualizer -- Soap UI, **Cucumber**, **AWS**, DynamoDB, Kinesis, SNS,SQS, JMS, Localstack, **AWS** CLI -- Page Object Model in Selenium, Hybrid Framework, Data Driven, Keyword Driven Framework, -- Spring Framework, TestNG, FitNesse, JBehave, Serenity, **Cucumber** -- Rational Application Developer, Eclipse, IntelliJ, Webstorm -- IBM Rational Team Concert, Star Team, GIT, Stash, Jenkins, Gradle -- Windows, Linux

Work History

Total Work Experience: 15 years

- **Automation** Developer Southwest Airlines
Jul 01, 2019
- **Automation** Engineer Tata Consultancy Services
Dec 01, 2009

Education

- **Texas A&M International University**
- **Bachelors** | Pondicherry Engineering College

Skills

- accessibility testing
- **agile** and waterfall methodologies
- alm
- chai
- functional testing
- hp qtp
- hp quality center
- junit
- leadership development
- manual testing
- microsoft office
- **mobile** testing
- mocha
- node.js
- perfecto
- sdlc
- starteam
- stlc
- team leadership
- test **automation**
- webdriverio
- webstorm
- **automated testing** - 8 years
- **java** - 5 years
- **selenium** - 5 years
- **jenkins** - 4 years
- **c#** - 3 years
- **cucumber** - 3 years
- **testng** - 3 years
- **api** - 2 years
- **api qa** - 2 years
- **fitnesse** - 2 years
- **amazon dynamodb** - 1 years
- **amazon kinesis** - 1 years
- **amazon sqs** - 1 years
- **amazon web services** - 1 years

- **groovy** - 1 years
- **hp quicktest professional** - 7 years
- **appium** - 3 years

Work Preferences

- Desired Work Settings: No Preference
- Likely to Switch: True
- Willing to Relocate: True
- Travel Preference: 0%
- Preferred Location:
 - Dallas, TX, US
 - San Antonio, TX, US
- Work Authorization:
 - US
- Work Documents:
 - Have H1 Visa
- Security Clearance: False
- Third Party: False
- Employment Type:
 - Full-time
 - Contract - Independent
 - Contract - W2
 - Contract to Hire - Independent
 - Contract to Hire - W2

Profile Sources

- linkedin: <https://www.linkedin.com/in/arun-ethakota>
- linkedin: <https://linkedin.com/in/arun-ethakota-5a6792aa>
- facebook: <https://facebook.com/usaa>
- twitter: <https://twitter.com/usaa>
- Dice:
<https://www.dice.com/employer/talent/profile/92a95e67314782ba7c0580dae283fb57>