



**Andhrapu Niharika**  
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QA **Automation** Engineer with 9+ years of progressive experience in developing, Manual testing, Functional testing, Performance testing, ETL testing and **Automation** test scripts using Selenium/Python/**Cypress** in Agile methodology (On Premise, On Cloud AWS, Azure).

My professional history includes 9 years 6 months of experience in IT as QA Senior Engineer in Application **Automation** Testing and QA Testing large E-Commerce, Banking complex applications developed in Java/J2EE and .Net web technology platforms on AWS, Azure, Hadoop Data science , AI based Projects ( of which 3 years of experience in E-Commerce/CRM in manual testing on ERP system/tools which includes working as an **Automation** Scripts Engineer for 2 year on AWS, of Banking domain experience in Database testing, 3 years of experience in Financial/Fin Tech Domain in Database testing / Snowflake and 1+ years in Supply chain domain in **Automation** Testing using Selenium WebDriver test scripts, HP tools & Performance Testing (tool used QC/ALM) including 2 year experience in performing Load testing using Web Load tool and 3 years of experience in Retail experience with Selenium WebDriver real-time knowledge AWS and Azure frameworks, Hadoop Ecosystem, Excel, Snowflake, relational databases, tools like Tableau, Power BI and Data DevOps Frameworks/Pipelines

Tested ML project from beginning to end, including understanding the business need, aggregating data, exploring data, Testing & validating predictive models, and deploying completed models with concept-drift monitoring and retraining to deliver business impact to the organization.

### **Professional Summary:**

- Highly motivated and performance driven professional with 9+ multifaceted experience in QA lifecycle, **Automation** framework designing, implementation, Business Analysis and Test management.
- Experienced in developing and executing manual and automated tests in different platforms using Java and Selenium.
- Integrated AI-based testing techniques, such as test data generation and anomaly detection, to enhance test coverage.
- Experienced in preparing Test Plans, Test Cases, and Test Scripts, Test Case Execution, analyzing the results of scripts, interaction with developers in fixing the errors by having Defect Tracking meetings.
- Experience in Databases and ETL testing including SQL, Oracle and Teradata and validating the same on Windows and UNIX
- Involved in different phases of testing Smoke testing, Regression testing, Database testing, GUI testing, User Acceptance Testing (UAT), Integration, Regression, Functional, Front End and, Back End testing.
- Good experience in Web Services like SOAP and RESTFUL in API Testing and using with SOAPUI tool.
- Designed page object framework for UI **automation** using Selenium Web driver, Maven, TestNG and integration with Jenkins.
- Good experience in writing SQL queries using multiple Databases such as Oracle and MS SQL Server.
- Experience in various **automation** framework designs like Business Process Testing (BPT), hybrid, Data driven for QTP and UFT.
- Worked on WSDL, XSD, Schema, XML documents for Web Services Testing and ability to analyze JSON and XML web service response for performing backend testing.
- Created Data Flow Diagrams, Use Cases, ERD, BPMN and UML Models.

- Worked extensively in various methodologies like Agile and Waterfall in Software Development Life Cycle (SDLC).
- Proficient with Microsoft office suite (Word, Excel, PowerPoint, and Outlook).
- Experience in test management and defect tracking tools like HP ALM, Version One and JIRA
- Worked on Agile Methodologies with good knowledge on different SDLC such as SCRUM, waterfall models and TDD, BDD.

#### Cloud Dev OPS

- Perform CI/CD **automation** using Team city, Jenkins's tool for scheduling jobs and use Jenkins as Continuous Integration server to configure with Maven/Ant on AWS Cloud/On premise
- Created Docker images and created our own repository in enterprise dockyard, created Docker containers using docker images and deployed them on Elastic Container Service in AWS. Created Docker images for various applications /Micro Services.
- Data Science / AI ML Experience in end-to-end Data Development project hands-on starting from Data Ingestion, Data Quality, Data Governance, Data Management, Data Loading, Data Reporting and Analyzing.

#### Education:

- Masters Major – Engineering Project Management ---2016
- Bachelors Major- Civil Engineering ----2012

#### TECHNICAL SKILLS:

Testing Tools	Selenium Web Driver/IDE/GRID, QTP, HP Quality, <b>Cypress</b> io JUnit, <b>Cucumber</b> , TestNG, SOAPUI, Appium, JMeter, Load Runner
Language/ Script	Java, JavaScript, Shell Script, VBScript, C, C#, Python, Gherkin, Power Shell
Frameworks	TDD, BDD, Junit, Jasmine, Protractor
Firefox Add-ons	Fire Path, Firebug
Web development	HTML, XML, CSS
SOA Technologies	SOAP, REST, Web Services, SOAP UI, Postman, JSON
Tracking Tools	HP Quality Center, Bug Zilla, Visual Studio TFS, JIRA, Rally, HP ALM
Build/ CI Tools	Ant, Maven, Jenkins, Hudson, Git, Bitbucket, Bamboo
Databases Technologies	MS SQL Server OLAP OLTP, Oracle 19c TSQL, Mango DB, snowflake
ERP / CRM	Salesforce, SAP
Cloud	AWS, Jenkins CI CD, Dockers, Kubernetes
Methodologies	Agile (Scrum), Waterfall, SDLC, STLC
Test Framework	Keyword Driven, Data Driven, Hybrid, Page Object Model (POM)
MS Office tools	Outlook, Word, Advanced Excel, PowerPoint
Framework/Platforms	JAMA Product Delivery Platform.
Project Management/Requirement	Jira Confluence, Wiki, Agile Requirements Designer
DWH Schemas	Star Schema, Snowflake Schema
Data Modeling Tools	Erwin, MS VISO
Web/ Application Server	Apache Tomcat, WebLogic, WebSphere, Boss
Version Control	Git, Subversion, GitHub
CI/CD Tools	Jenkins, Azure DevOps

Reporting / BI Tools	MS Excel, Tableau, Tableau Server and Reader, Power BI, QlikView, Crystal Reports, SSRS, Splunk
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## PROFESSIONAL EXPERIENCE:

**CVS Health Enterprise, Rhode Island Cumberland**

**May 2023– Present**

**Domain: Health care**

**Project Name: RX Connect- Retail**

**Role: Test Automation Engineer**

**Project Description:** CVS Pharmacy is one of the largest retail pharmacy chains in the United States, with 9,600 stores located in all 50 states, the District of Columbia, and operating primarily under the CVS Pharmacy, CVS, Longs Drugs, Navarro Discount Pharmacy and Drogaria Onofre names. CVS Pharmacy fills more than one of every five prescriptions in the United States, and 85% of U.S. population lives within 10 miles of a CVS Pharmacy. The Extra Care loyalty program boasts over 70 million cardholders, making it the largest retail loyalty program in the country. MinuteClinic retail medical clinics operate inside CVS Pharmacy locations within the United States. It is the largest walk-in medical clinic in the United States.

### Key Contributions:

- Responsible for streamlining the testing process like writing test cases, testing and reporting, follow-up on the issues and supporting releases.
- Assessed & analyzed user stories and participated in Sprint planning, Review Sessions & Scrum Meetings and developed Test scenarios, Test cases, Test data, Test procedures, Test reports, executing test cases, scripts, plans and procedures to support testing.
- Creating unit and E2E test for backend and front-end angular web application using many languages and framework such as Selenium, spring boot, Java, Maven etc.
- AI Based Data Science Based Project Testing. Data Collection and Pre-processing Testing: Participated in testing of normalization, scaling, and feature engineering to ensure they are implemented accurately. Used Java language for scripting. Used Maven for building the WebDriver project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.

### Responsibilities:

- Analyzed and initiated RX Connect documentation for creating a different of patients by adding different prescriptions.
- Attend all the Daily Scrum meetings.
- Participated in all the Production and Off cycle Releases.
- Performed Different Kinds of testing such as Sanity and Regression Test.
- Created Different kinds of Test data which is required for the Processing the RX for different Patients.
- Experienced on inspecting the code using HTML, CSS, ARIA
- Work with development teams across the organization to plan, implement, and track end-to-end automation activities.
- Led the successful completion of a comprehensive JRE Upgrade RX Connect This resulted in an overall reduction in errors and a decrease in customer complaints of 25%.
- Interacted with customers, users and subject matter experts to gather information during requirement gathering.
- Participated in the status meeting with the customer.
- Ensured tracking/follow-up with the client for receiving the baseline requirement on time.
- Communicated and set up realistic expectations with the client on the project deliverables with the client.
- Review offshore deliverables before sending it to the customer.
- Create / track tickets and issues related to the application to ensure that they get resolved.
- Contributed to process improvement initiatives (best practices) within the project.
- Prioritizing user experience & delight for the different application testing using A11Y.

**Environment:** Selenium, JAVA, Agile Methodology, Rally, QA Complete Web Services (SOAP & RESTFUL), Postman, SOAP UI, See Test, Test Harness, **Cucumber**, Gherkin, HTML, JavaScript, Firefox, IE, Chrome, Linux, SQL, Oracle, Tableau.

**Verizon Communications, Dallas TX**

**Jan 2022- May 2023**

**Domain:** Telecommunication for 2G, 4G plans

**Project Name:** One Message

**Role:** QA **Automation** Engineer

**Project Description:** Verizon Wireless has entered into a Master License Agreement (“MLA”) with the City of Palo Alto allowing the attachment of antennas and other equipment (“small cells”) on city owned infrastructure in the right-of-way (ROW). Based on the need to provide network coverage and capacity, Verizon Wireless Radio engineers identify locations throughout the city that require service. Ninety-two (92) such wireless communication facility (“WCF”) installations are currently planned to be co-located on wood utility poles and metal streetlights. Eighty (80) of these small cells are proposed to be co-located on existing wood utility poles; only twelve (12) small cells are proposed to be installed on existing city streetlights. Verizon Wireless and CPAU are still working out the specifics for streetlight locations, so their design is not addressed in this application. These small cells will provide the City of Palo Alto much needed improvements in network capacity and coverage.

**Key Contributions:**

- Building the Scenarios, Features, Step definitions by using the **Cucumber** API's along with Selenium Web Driver to develop BDD framework
- Created Automated Web services testing processes using SoapUI NG Pro tool and Karate DSL framework.
- Worked on web services tools Rest API and understanding of HTTP code responses. Involved in testing REST services using Rest Assured and tested.
- Developed test strategies, test plans, and test cases and user stories for software development efforts and SQA strategies using Agile-testing methodology.
- Involved in updating existing Hybrid **Automation** Framework using Page Object model, Data driven, Selenium WebDriver, Java, and TestNG, using Maven as build tool and Jenkins to create and run deployment jobs.
- AI Testing Using NLP, extract key information from medical reports thereby reducing the processing time for more standard cases and enabling underwriters to focus on the most difficult or complex ones.
- Tested process for claims department, using NLP can simplify evaluation of claims in process by reducing Operations time, minimizing operational errors, or even helping in fraud detection. Text mining can likewise be used in claims adjudication by simplifying their classification and facilitating the subsequent routing to the appropriate department in the chatbot.

**Responsibilities:**

- Reviewed Business Requirement and Software Specification Requirements to achieve better understanding of the Application. Prepared Test Plan and Test Cases.
- Executed Test Cases and Gathered Test Execution results.
- Analyzed existing and planned business processes. Documented workflows and created functional specs for development.
- Typically spends 60% of time writing code, creating scripts or implementing **automation** tools, and remainder of time collaborating with stakeholders through ongoing product/platform releases.
- Performed Back-end testing using SQL queries to access the main database.
- Performed extensive functional GUI level testing and wrote /modified tests from scratch.
- Manually tested calculations of home and auto insurance rates and dividends using MS-Excel and cross checked for results data.

- Performed calculations on Excel sheet to estimate how much life insurance a person needs, based on the debts customer has.
- Handled various Alerts using different methods such as dismiss, accept, get Text in an effective way depending on the requirement.
- Developed REST API manual framework - validating - response header, status, body, authentication, authorization and CSRF using REST Assured, Java8, TestNG.
- Performed manual testing of REST API using POSTMAN, worked with collections and CRUD operations.
- For every sprint we used to have Product Release in Lower Environment and Production
- Charging and Performance management maintain high availability of systems and services.
- Propose enhancements to improve service quality and reliability.
- Managing the projects, new integrations, upgrades, acceptance testing etc.
- Involved in creating test cases for **Mobile** App testing for Android Devices using Appium and Android Tools adb and Emulators.
- Used Maven for dependency management and build management. Used Jenkins, Docker Containers and AWS for continuous integration and testing.
- Worked on GIT Repository and developed Maven build scripts and executed them in Jenkins to build Production Environment.
- Worked with Gecko Driver, Chrome Driver (with extensions), Headless Chrome, Internet Explorer, Edge Driver, Remote WebDriver
- Executed parallel browser testing on various machines using Selenium Grid and performed cross browser testing.
- Software installation and Maintenance. Data Extraction, Transformation, and Loading. Specialised Data Handling. Database Backup and Recovery.
- Security. Authentication. Capacity Planning. Performance Monitoring.
- Linux has built up a strong set of networking capabilities, including networking tools for providing and managing routing, bridging, DNS, DHCP, network troubleshooting, virtual networking, and network monitoring.
- Used Chrome Developer Tools - Browser storage monitoring, console, network traffic, timeline, and debugging.
- Checking applications to see if it meets All y compliance and regulatory guidelines for all the Prepaid and Postpaid customers.
- Experience using query tools for MYSQL and MongoDB Server to validate reports and troubleshoot data quality issues.
- Worked with Java 8 - dates, streams, lambda, method references.
- Analyzing User Stories, building up all the test cases and log bugs through JIRA.

**Environment:** Test Director, Oracle, Java HTML, Angular, QTP, SQL, MS Project, MS Excel, Unix, AI, ML Python,

**Cummins – Indiana, Columbus**

**Mar 2016 – Dec 2021**

**Domain: e-commerce platform**

**Project Name: design and development of the user interface**

**Role: **Automation** Test Engineer**

**Project Description:** Develop and implement develop services for retrieving the data from requirements provided by the client and developing functional databases, applications, and servers to support websites on the back end. Design and develop the frontend web applications and perform testing and fix bugs for better results. Project also deals with the design and development of the user interface applications and configuring and responding to the queue using the applications and script for debugging the errors and tracking issues and preparing detailed documentation.



### Key Contributions:

- Tested raw data and executed performance scripts.
- Developed test scripts using Python, Scala along with Hadoop framework utilizing Cloudera Hadoop Ecosystem projects (HDFS, Spark, Sqoop, Hive, HBase, Oozie, Impala, Zookeeper etc.).
- Involved in developing spark applications using Scala, Python for Data transformations, cleansing as well as validation using Spark API.
- Worked on all the Spark APIs, like RDD, Data frame, Data source and Dataset, to transform the data.
- Performed testing using Django's Test Module.

### Responsibilities:

- Worked in a highly dynamic AGILE environment and participated in all scrum events such as Backlog grooming, Sprint Planning, Daily Scrum, Demo and Retro meetings.
- Created detailed test plan to identify test cases, identified and defined test scope to come up with risk assessment.
- Recorded detailed test cases including test steps and success criteria into Project Management tool ALM& Linked the test cases with respective user stories.
- Created and executed detailed test cases with step-by-step procedure and maintained the test logs, test reports, test issues, defect tracking using ALM Quality Center.
- Created test suites for Regression testing, Smoke testing and Sanity testing. Executed various test plans for identifying defects and reported them with details log information and screenshot in defect tracking tool (ALM).
- Identified test cases which need to be automated and created.
- Created reusable libraries in Java to test **automation**, build page object models (POM) to create reusable code.
- Created test suites to read the test data from csv files to use in Regression, sanity smoke test **automation** suits
- Configured Java Selenium Web Driver, TestNG, Maven tool and created selenium **automation** Java using TestNG framework and page object model (POM).
- Improving maintainability and design of legacy code by integrating a JUnit test harness and refactoring.
- Identified test cases to automate, automated those test cases using Selenium WebDriver and JUnit.
- Created Stored Procedures, Views, Triggers, User defined Functions and scripting Complex T-SQL logics for business logics.
- Built **automation** framework in Selenium WebDriver using behavior driven (BDD) approach in **Cucumber** framework.
- Involved in debugging, troubleshooting API proxies using Trace tool and analyzing performance metrics.
- Involved in White box testing using TestNG, Maven and Selenium WebDriver.
- Coordinated with developers and record defects in JIRA to track until they are resolved with proper documentation.
- Assisted Application Developers and technical support staff in identifying and resolving defects.
- Involved in debugging and bug fixing of application modules using Bugzilla for tracking.
- Wrote Scenarios, Scenario outlines and Step Definitions using Gherkin in **Cucumber** for BDD.
- Validated web services manually and through **automation** using SOAP UI.
- Writing and managing **automation** test-cases for REST API endpoints using Postman tool.
- Developed multiple Selenium WebDriver Java scripts for Black-box Testing.
- Involved in writing automated scripts for application using Java scripts.
- Identified weaknesses in QA Processes, Web testing, Selenium **Automation**. Suggested and implemented

**Environment:** Java, Selenium WebDriver, ALM, TestNG, SQL, Maven, Postman, **Cucumber**, Gherkin, Appium, LoadRunner, JMeter, AWS, React

## **National Electronic Funds Transfer (NEFT)**

**IDRBT (Reserve Bank of India)**

**Mar 2012– Dec 2014**

**Domain:** Banking, TCS

**Project Name:** design and development of the user interface

**Role:** **Automation** Test Engineer

**Project Description:** NEFT is an Inter/Intra bank settlement system controlled by Reserve bank of India. With this application, banks can transfer funds to the same bank or the other bank faster and in a more reliable way. NEFT application uses SFMS (Structured Financial Messaging System) as the messaging backbone, through which transactions from one bank to another will be transferred in the form of messages. In NEFT system, RBI acts as mediator between the settlement participating banks and entire settlement process is under the control of RBI. NEFT software is installed at both RBI and the payment settlement participating banks.

### **Key Contributions:**

- Develop a data set process for data mining and data modelling and also recommend the ways to improve data quality, efficiency and reliability.
- Extract Transform and Load data from Sources Systems to Azure Data Storage services using a combination of Azure Data Factory, T-SQL, Spark SQL and U-SQL Azure Data Lake Analytics Data Ingestion to one or more Azure Services - (Azure Data Lake, Azure Storage, Azure SQL, Azure DW) and processing the data in In Azure Databricks.
- Wrote Scenarios, Scenario outlines and Step Definitions using Gherkin in **Cucumber** for BDD.
- Validated web services manually and through **automation** using SOAP UI.

### **Responsibilities:**

- Design, develop and implement automated testing tools using Data driven Page Object Model (POM) framework with C#, Selenium WebDriver, Selenium IDE, Selenium Grid, TestNG and NUnit with a focus on project and application-based automated functional and regression testing.
- Operate in Agile methodology by participating in Daily Stand Ups, Sprint Planning, Technical Grooming, Retrospective meetings and provide estimates to Testing tasks for User Stories in Story Points based on understanding and analysis.
- Worked with Business Analyst, Developers, and DBA's in defining detailed and reusable Functional, System Integration, and Regression test cases and completing Requirements Traceability Matrix.
- Performed Manual and Automated Testing with various testing tools.
- Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Center, JIRA, BugZilla
- Responsible for creating UI **automation** framework in C# and Vb script for the ease of report creation and a simpler interface for the business users.
- Created Test **Automation** via C# or Coded UI using Microsoft Visual Studio.
- Involved in writing **Automation** scripts and executing scripts. ETL, Data Pipeline Testing
- Involved in design and implementation of Selenium WebDriver **automation** framework for smoke and regression test suites (JUnit, Maven).

**Environment:** Selenium, C#, Agile Methodology, Jira, QA Complete Web Services (SOAP & RESTFUL), Postman, SOAP UI, See Test, Test Harness, Appium, C#, Firefox, IE, Chrome, Linux, SQL, Oracle, Tableau, AWS, Jenkins

# Niharika Andhrapu

- Manchester, NH, US

## Contact Information

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- 6032642579

## Summary

• Senior QA **Automation** Engineer with 6 years of experience in all phases of Software Testing Life Cycle (STLC), Skilled in different programming and testing technologies, utilizing **automation** tools like Web, API Testing with hands on experience in different technologies like JAVA, Selenium, Maven, Jenkins, **Cucumber**, SoapUI serving various domains such as Banking, Retail and E-Commerce, Healthcare. • Experienced in Software Development Life Cycle (SDLC) including Waterfall and Agile Scrum model. Extensively involved in UI **Automation** by using Selenium WebDriver, Java, SoapUI testing, Database Testing, Web Application Testing.

## Work History

### Total Work Experience: 11 years

- **Test **Automation** Engineer **CVS** PHARMACY**  
May 01, 2023
- **QA **Automation** Engineer Verizon Communications**  
Jan 01, 2022
- ****Automation** Test Engineer Cummins**  
Mar 01, 2016
- **Test **Automation** Engineer National Electronic Funds Transfer (NEFT) Client:**  
Mar 01, 2012



## Education

- **Bachelors** | CIVIL ENGINEERING
- **Masters** | Engineering Project Managemnt

## Skills

- **selenium** - 10 years
- **webservice** - 10 years
- **python** - 9 years
- **agile** - 10 years
- **java** - 10 years

## Work Preferences

- Likely to Switch: True
- Willing to Relocate: True
- Travel Preference: 100%
- Work Authorization:
  - US
- Work Documents:
  - Have H1 Visa
- Desired Hourly Rate: 66+ (USD)
- Security Clearance: False
- Third Party: True
- Employment Type:
  - Contract - Corp-to-Corp
  - Contract to Hire - Corp-to-Corp

## Profile Sources

- linkedin: <https://www.linkedin.com/in/niharika-a-681057214>
- Dice:  
<https://www.dice.com/employer/talent/profile/48e95b4e17e8d54d28a667bc5a1abc99>