**Bhupinder Kumar**

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# Summary

* 10+ years of experience in the field of QA/Automation and SDET Engineer
* Good experience in designing and architect modular and reusable automated test solutions that satisfy project requirements
* Expert in Java, Python, and C# (Data Structures, Algorithms, Problem Solving), SQL
* **Expert in Service layer testing (REST API) using Python**
* Good experience in UI automation using Selenium and Cypress
* Created REST API Framework using Python
* **Created UI Automation Framework using Java and Selenium**
* Good experience in Java testing framework TestNG
* Experience with Jenkins for CI/CD pipeline
* Good experience in qTest (Tricentis) test management tool

# Experience

## Software Development Engineer in Test (SDET) Capital Group Jan 2019 – Present

Product: - **ServiceNow**

Roles & Responsibilities:

* Automated ServiceNow applications major modules Incident, Change, GRC, HAM, GRM, etc. regression suite
* **Created Jenkins jobs to reduce execution time from 8 to 2 hours by parallel execution in 10 VDIs**
* Built Java automation framework from scratch for automating Web, Mobile, Desktop, and Rest API
* Created utility to compare excel/CSV files and highlight output/differences
* Automated API for back-end side using **RestAssured** library with JAVA
* Managed 6 resources including onshore/offshore team members and supported solving technical problems
* **Create, Update, Maintain and Execute Automation Scripts using Java TestNG Automation Framework**
* Created Incident, and Knowledge articles using ServiceNow API
* Provided training on **qTest** to associates to remove hard dependency on QM

All QE responsibilities within a sprint (AGILE Methodology):

* Involve in the release process and perform all QA release owner duties
* Requirements Grooming, Test Planning, Data Setup, Test Scripts Creation/Maintenance, Test Execution, Defect Reporting, Communication with Stakeholders
* Identify suitable automation candidates
* Created new jobs/pipelines in Jenkins
* Automating new tests in Java Automation Framework and maintaining existing regression scripts
* Used JIRA, and Confluence for test cases, defects, and documents management
* Provide automation training and guidance to junior team members

## Technical Test Lead Capital Group May 2017 – June 2019

### Product: - **Ariba 3PEM, Workday**

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### Roles & Responsibilities:

* Created Java Automation Framework from scratch for automating Web applications using Selenium
* Selenium Web Driver for web browsers automation with the **page object model**
* **Optimize the regression suite of UI automated test in selenium and bring down the execution time from 72 hours to 24 hours**
* Automated Okta Single Sign-On tests using Okta Rest Api’s and Selenium together
* Automated Supplier, Contract, and Sourcing upstream modules and P2P, FG downstream modules using Selenium WebDriver

All QE responsibilities within a sprint:

* Requirements Grooming, Test Planning, Data Setup, Test Scripts Creation/Maintenance, Test Execution, Defect Reporting, Communication with Stakeholders.
* Identify suitable automation candidates
* Automating new tests in Java Automation Framework and maintaining existing regression scripts
* Used JIRA, and Confluence for test cases, defects, and documents management
* Provide automation training and guidance to junior team members
* Automated Workday Recruiting, Payroll modules regression suite to support quarterly releases execution.
* Covered all critical scenarios through automation for patch releases and highlighted defects in JIRA
* **Performed and experienced on JMeter as a performance testing**

### **Technical Analyst Capital Group Jan 2015 – Apr 2017**

### Product: **- SAP ECC, BW, BPC**

### Roles & Responsibilities:

* Automated 10% of regression suite using **BAPI (API)** backend scripts using SAP Connector
* Collaborated with functional SMEs for testing (manual + automation) DARWIN, EPM, A4O, SAP HANA Live, and PBI applications
* **Automated 80% of regression suite in SAP ECC & BW (SAP Logon pad) using UFT V14.52**
* Used WinAppDriver for excel related add-ins automation
* Saved effort (100 hours) by executing an automated regression suite for security patches, and SAP Upgrades
* **Track execution status/defects in qTest using JIRA – qTest integration**
* Estimate QA effort and prioritize/plan stories/projects/resources accordingly
* Playing Test Lead role for SAP upgrades, Plan/track status, and take it to closure
* Participate in Sprint Planning/Story Points Estimation/Daily Scrum meetings following Agile methodology.
* Closely working with the Dev team to close Priority issues to provide QA sign off

### **Test Analyst Microsoft Jul 2012 - Dec 2014**

### Product: - **Microsoft Dynamic CRM**

### Positions: Software Engineer 🡪 Senior Software Engineer 🡪 Test Analyst Clients: Microsoft, Capital Group of Companies

### Locations: Mysore -> Bangalore -> Chandigarh (India) -> California, USA

### Roles & Responsibilities:

* Created Data Comparator tool which was used by other 10 teams to compare different file types with the capability to define filters on columns, saved 10 hours of effort on average for a single iteration
* Automating web applications using Selenium Web Driver, NUNIT framework using Visual Studio IDE, and C# Programming Language
* **Created Automation Framework for REST Api’s testing using C#**
* Participate in Project Initiation Meetings and prepare/provide Test Plan/Test Strategy documents
* Analyzing the regression suite failures and creating Jira tickets for the team wherever automation script fix is required
* Requirements Grooming, Test Planning, Data Setup, Test Scripts Creation/Maintenance
* **Postman and Fiddler to manually test Web Services**
* Provide weekly status and communicate with senior management on automation framework features and overall automation percentage status for different projects/initiatives
* Taken additional responsibility for automating Dynamic CRM regression suite using CodedUI automation tool
* Running UNIX scripts for various batch cycles using SecureCRT. Exposure to UNIX commands
* Hands-on experience with test data and defect management and tracking tool i.e., HP-ALM and JIRA.

# SKILLSET

**Programming Language:** Java, Python, C#

**Testing Tools:** Selenium Suite (Selenium Grid, Selenium IDE), Appium, CodedUI, UFT LeanFT, WinAppDriver

**Testing Framework:** Cucumber BDD, TestNG, Data-Driven, Hybrid Framework, PyTest TDD, and BDD

**Platform:** Windows, macOS, Linux

**IDE:** Eclipse, IntelliJ. VS Code, PyCharm

**Databases:** Oracle, MySQL, SQL, RDBMS, JDBC

**API Testing:** Postman, SoapUI, Rest Assured, RestSharp

# CERTIFICATION

# Python Data Structures - Coursera

# AZ-900 Microsoft Azure Fundamentals

# 483 programming in C# Specialist

# Education

## Punjabi University Patiala

### B. Tech, Computer Science Engineering

Jul 2008 - May 2012