ANKUR SINGH

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Professional Summary:

Senior SDET with 9+ years of experience in software development and quality assurance, specialising in automation frameworks for web, mobile, and API testing. Proven track record in leading QA teams, designing robust automation ecosystems, and implementing CI/CD pipelines using modern tools and cloud platforms. Experienced in Banking ,e-commerce and Power & Energy domains.

- Actively worked on all stages of SDLC process and implementation using **Agile** (Scrum) Methodology and traditional models.

- Possess **QA Leadership** with respect to Test Planning, Estimation, Scheduling and Delivering application under test to release.

- Design and development of **Automation Test framework Eco System for WEB/MOBILE & API.**

- Hands experience on setting up **automation test infrastructure** for **distributed** & **parallel execution** using **Docker, Selenium Grid, Selenoid, AWS DeviceFarm & Browser Stack**

- Proficient with programming language **Java, Python.**

- Knowledgeable in using automation tools like **Selenium, Playwrigh**t, **Katalon Studio and UFT.**

- Automated acceptance tests using **Cucumber BDD** framework & Gherkin snippets.

- Web services automation and **API testing** using tools like **Rest Assure**, **Postman** and **curl** scripting.

- Experience in **Load testing** tools like **Load runner**, **Jmeter** to evaluate System **Scalability & Performance**.

- Good understating of **SQL** & Work on different testing framework like **TestNG, Junit, Pytest, Robot.**

- Having strong skill on **AWS ETL Tool** like AWS lambda, AWS Glue, Athena, Crawler.

- Extensive knowledge using **GIT** repository for Source Code Management.

- Implementation continuous integration testing with **AzureDevops, Jenkins** CI/CD tool integrated with **Maven build** tool.

- Proactively following new tech like **GenerativeAI** developments and applying them in day-to-day work to increase productivity(MCP protocol , GitLab copilot , AWS nova for browser automation)

- Good Understating of **Linux** OS shell scripting.

Professional Experience:

➢ Hybrid QA - **HILTI Group** Paris , France.

◆ Project :- HILTI E-commerce Application.

➢ Lead SDET – **Kotak Mahindra Bank** Mumbai, India.
◆ Project: - Kotak Cherry - Banking & Finance App.

➢ Developer/SDET – (**Larsen and Toubro) LTI** Mumbai, India.
◆ Project :- Citi Bank– Development Of Automation tool quickTest.(No Code Tool)

➢ QA Automation Engineer – **Capgemini**, GandhiNagar, India.
◆ Project :- General Electric – (GE Power & Energy) Management Application

Language Proficiency :

➢ English - C2
➢ French - A1

Educational Qualifications:

- 2024: AWS Solutions Architect

- 2019 : CP-SAT (Certified Professional – Selenium Automation Testing)

- 2011- 2015 : Bachelor of Engineering (Electronic & Telecommunication)

Career Profile:

Project #1: HILTI E-Commerce	Feb 2023 – Till Date

Role : **Hybrid Quality Assurance Engineer**
Tool & Technology: Selenium/Appium ,Saucelab ,Cucumber , UsebleNet(a11y), Gitlab, DataDog

Hilti's e-commerce project is a comprehensive digital initiative aimed at transforming how the company sells its products and services to professional customers in the construction industry. As a global leader in construction technology, Hilti has been an early adopter of e-commerce, integrating digital sales channels and procurement solutions into its business model since the early 2000

Responsibilities:
- Supporting functional and automation testing in release cycle as hybrid QA.
- Involved in End-to-end/ Exploratory testing for payment features in mobile apps(Android & IOS testing), and web applications as part of eCommerce teams.
- Analysing the User Stories and performing non functional testing and accessibility.
- Writing automated scripts using Selenium/Appium driver with JAVA, Oracle SQL
- Conducting POC to integrated accessibility a11y core lib with existing automation framework.
- Integration testing with different SAP Hybrid system which is connected to eCommerce application.
- Monitoring and creating dashboard on Datadog(application logs system) to proactively identify 3rd party issue.

Project #2: Kotak Cherry	April 2020 – Feb 2023

Role: Lead SDET
Tool & Technology: **AWS DeviceFarm, Appium, Selenium, Python, pytest, Docker, Maven, Jenkins.**

Project Description:

Kotak Cherry Platform is intended to provide a seamless DIY digital platform to affluent and mass affluent customers, using which customers can fulfil all their investment needs. This ecosystem will guide customers to invest in various instruments such as mutual funds, direct equities, fixed deposits etc.

Responsibilities:
- Managing three different Projects **Automation Test, Load Testing & Data Analytics** with in-house & vendor.
- Test Planning, Scoping, Estimation, Sprint Planning, Scheduling Sprint deliveries in agile methodology.
- Created Automation Eco System Framework for web/mobile using **Selenium**,**Appium,Java,TestNG, Docker Implementation of selenoid & allure reports.**
- Load testing of important business work flow model & achieve 3k concurrent user load on system.
- Managing and mentoring team of 6.
- Derive Test Strategy, Automation feasibility Analysis, Functional and Performance testing of Web and Mobile Applications.
- Own and maintain the test automation suite of the project and execute Automation and Functional tests.
- Integrate DevOps activities like integration of **Jenkins**, **Azure DevOps**, **Maven, GIT**

configurations for the testing project.

- Web-services and API testing is performed as part of the Automation for Application interacting with data.
- **Performance testing and Monitoring** of the Web Pages is done using Load Runner Tool, Site24/7.
- **Mobile and Device testing** is performed using Automation, with respect to different Android and iOS versions.
- Performed Code reviews, Activity monitoring and tracking Coverage and Test reports.
- Defects are reported, tracked and monitored using the **JIRA** and performed RCA for the defects in all stages.

Project #3: Quick Test (In-House Automation Tool)	June 2018 – Apr 2020

Client: Citi Bank/ (Research & Development Project)
Role: Developer/SDET

Tool & Technology: Spring-boot, Selenium Web driver, SeleniumGrid, Angular, UFT

Project Description:

It was a web-based script-less automation tool hosted on a server that works on a client-server architecture and it widely uses selenium grid concepts to make a connection between machines. Tool feature: Execution Test case creation, Object Repository List, Test Suite, Test Plan, Report generation.

The tool is developed in three layers
Front End: - The front end consists of a user-interface layer which is an entry for the user.(Dev. angular)
Middle layer: - It's consists of different Restful micro-services that interact with front end and back-end code (responsible to get data from users and store them to Db and Visa Verse).(Java Spring boot)
Back-end layer: - Its core execution engine for a tool which handles execution request and runs scripts on a client machine developed on Keyword-driven and Data-driven selenium framework.

Responsibilities:
- Developed a back-end selenium and micro-services code for tool.
- Worked on developing a Script-less automation tool (In house tool Quick Test)
- Creation of different micro-services for Test Case, Test Suite, Test Plan, Reports.
- Created POC on UFT and successfully implement desktop application automation for client.

Project# 3: GE Power & Energy	Feb 2016 - June 2018

Client: General Electric
Role: Automation Test Engineer

Tool & Technology: Java, GIT, Jenkins, Selenium, Selenium Grid, TestNG, Browser stack, Appium
Project Description:

Marketing portals consists of 6 content management web applications. GE Power uses those applications to showcase case studies, customer success stories, engine upgrades, technology upgrades, to run campaigns and many more things which typically a content management site can have. Authors (Business Team) designs the content in AEM, once it is pushed to live it'll be available for public access.

Responsibilities:
- Involved in Sprint grooming, Planning, Scheduling and estimations for testing in **Agile Methodology**.
- Worked on development and execution of automation scripts using Selenium Web Driver and TestNG.
- Development of mobile web automation scripts using appium tool.
- Execution of Regression suite every iteration from Jenkins to ensure critical functionality.