Rakesh Kumar

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Education

Gandhi Institute for Technological Advancement　　　　　　　　　　　　2008-2012
Bachelor of Engineering in Electrical and Electronics (GPA: 9.06 / 10)　　　　*Odisha, India*
- **Relevant Coursework:** C, C++, Data structure and algorithms, Networking

Experience

Concentrix　　　　　　　　　　　　　　　　　　　　　　　Mar 2024 – Present
Lead Software developer in test (Lead SDET) - St. Jude Hospital (Donation platform - Charity)　　*Denver, CO*
- Implemented test automation framework using Java, Maven, Rest assured, JDBC, TestNG, Jenkins and Bitbucket to automate composite REST APIs validations against Microsoft SQL server database reducing regression time from 1 week to 1 day.
- Implemented test automation framework using Selenium to automate the agent UI and validate against SQL server DB.
- Led the team of automation/manual testers to perform maintenance, update regression suite and validate Extent automation execution report.
- Automated logging of test results to testrail.

Concentrix　　　　　　　　　　　　　　　　　　　　　　Sep 2021 – Mar 2024
Lead Software developer in test (Lead SDET) - Charter communication (Mobile wireless - Telecoms)　　*Denver, CO*
- Automated validations of composite APIs for backend communication with Verizon in Mobile Device Activation team using Java, Maven, Rest assured, TestNG, Jenkins and Gitlab to increase automation coverage to 85 Percent.
- Automated test data cleanup and generation using Java and DynamoDB
- Automated validations of front end service desk agent UI using Selenium with Java
- Created CI pipeline using Jenkins for smoke, sanity and regression execution.
- Led the team of automation/manual testers to perform maintenance, update regression suite and validate Extent automation execution report.

Concentrix (Previously PKGlobal)　　　　　　　　　　　　　　Oct 2019 – Sep 2021
Senior software developer in test (Senior SDET) - TMobile (Authentication - Telecoms)　　*Queretaro, Mexico*
- Automated Login, Registration and Password web pages using Java, Selenium, Maven, Jenkins, Bitbucket and TestNG
- Performed regression maintenance.
- Implemented dynamic test data management (TDM) using Slack APIs, MongoDB to clean mobile numbers and provide on demand to the users as well as automation suite.
- Configured CI pipeline using Jenkins, Selenium Box.

Neoris　　　　　　　　　　　　　　　　　　　　　　　　Mar 2018 – Oct 2019
Senior developer (SDET) - CEMEX (Supply chain)　　　　　　　　　　　*Monterrey, Mexico*
- Implemented test automation framework using Microfocus UFT, VBScript, Git and Jenkins to automate the validations of SAP supply chain flows.
- Automated front end web UI using Katalon, Selenium webdriver and Java.
- Created CI execution pipeline using Bitbucket and Jenkins

NTT Data services　　　　　　　　　　　　　　　　　　　Oct 2017 – Mar 2018
Software Quality Senior Analyst - Segurros Monterrey New York Life Insurance (Health Insurance)　　*Mexico City, Mexico*
- Executed automated and manual test cases for web and desktop applications validations.
- Automated web test cases using Selenium webdriver and desktop applications using Microfocus UFT.
- Created test plan and high level effort estimations.
- Created test completion release notes.
- Send daily and weekly execution report to stakeholders.
- Coordinated with cross functional teams to generate test data.
- Acted as a single point of contact (POC) for offshore team.

Infosys   Mar 2017 – Oct 2017

Test Analyst - HSBC (Retail banking)   *Toluca, Mexico*

- Worked on pilot test automation implementation for Web, SAP, Mainframes and Desktop apps using Tricentis TOSCA.
- Pilot was successful and led to client increasing the team size from 4 to 60 over 6 months.
- Create test automation strategy for all applications in latin America region.
- Enabled client's manual testers to develop and execute tests using TOSCA.
- Identified automation challenges and solved on a daily basis.

Infosys   Jul 2013 – Mar 2017

Test Engineer - Deutsche Bank (Investment banking)   *Pune, India*

- Worked on Over the counter (OTC) derivatives focused on Interest rate domain.
- Created test plan, scenarios, test cases and requirement traceability.
- Executed test cases and logged evidences and bugs.
- Subject matter expert (SME) for Rates and Credit classes in OTC for regulatory reporting to EMIR, CFTC and HKMA.
- Automated manual tasks like daily/weekly report generation from ALM, parsing huge text files using Macro with VBscript.
- Performed database testing.

Projects

Test cases generation using Generative AI, GPT turbo 3.5 | *GPT Turbo 3.5 model, Generative API, Java*

- Implemented POC to train the GPT Turbo 3.5 model about business requirements and generated test cases in a specific format to be uploaded to test management tools like Testrail or Testmo.

Web UI automation using Generative AI, Zerostep Playwright with Javascript | *Playwright, Zerostep, Javascript*

- Implemented POC for web UI automation using Zerostep APIs and user-friendly commands without the need to store HTML locators, which simplifies maintenance due to html changes.

Android Mobile App for sports prediction (Personal) | *Kotlin, Java web app, Swagger documentation, Mongo DB, AWS EC2*

- Developed a full stack android app for sports predictions. The app was developed in Android Studio using Kotlin. Backend APIs were created using Java implementing swagger annotations. Data was stored in mongoDB. App was deployed to AWS EC2.

WebUI and Mobile test automation framework using Python (Learning purpose) | *Python, Pytest, Appium, XCUITest, Selenium webd*

- Developed test automation framework using Python, Pytest, Selenium webdriver for web UI, Appium for android and XCUITest for iOS automation.

Technical Skills

Languages: Java, Python, SQL, PLSQL, VBScript
Framework and libraries: Selenium webdriver, Rest assured, Jdbc, TestNG, Extent, Appium, XCUITest
Tools: Eclipse, IntelliJ, Maven, Microfocus UFT, Tricentis TOSCA, HP ALM, Testmo, TestRail, Postman, Insomnia, Selenium Box, SauceLabs, SAP, Github, Gitlab, Bitbucket, AWS EC2, AWS S3, AWS DynamoDB, MongoDB
Concepts: Generative AI using GPT model, Zerostep, Test automation framework development, Java microservices, Web automation, API automation, SAP automation, Database automation, Agile