Adarsh Koppa Manjunath
Python Developer | SDET | QA Automation
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Profile Summary
- 6+ years of work experience as a test tool developer primarily using Python.
- Experience in developing and maintaining test/ automation tools for API, CLI, UI, and DB interfaces using Python, PyTest, Requests, Selenium (POM), Postman, Jmeter and Robot Framework.
- Experience in designing and developing REST APIs using Flask and Django (MVC Framework).
- Experience in developing and executing functional and non-functional test cases.
- Experience in CI/CD setup for automation tools using Docker, Gitlab, Azure DevOps, and Kubernetes.
- Familiar with Algorithms, Data Structure, and Design Pattern concepts.
- Familiar with technologies and tools like JIRA, VMs Docker, Azure DevOps services (GitHub, Board, and Pipelines), Jenkins, Putty, WinSCP, PostgreSQL, Postman, YAML, and OpenAPI.
- Online courses and certifications in JS, Python, Problem Solving, DevOps, Selenium, Robot Framework, and Docker

Work Experience

Software Developer in Test | Willowglen Systems | Remote, Canada   **Aug 2023 - Present**
- Working on a project called SentientQ with the focus of introducing microservice architecture on a legacy monolithic architecture product called SCADACOM.
- Work in agile methodology and participate in all agile activities including sprint planning, sprint review, backlog refinement, retrospective, and daily standups.
- Involved in reverse engineering process to gather requirements, prepare testcases and execute the same.
- Developed automation collection using Postman and JavaScript for API testcases and run the same using postman container.
- Developed automation framework from scratch using Robot Framework to automate UI, API, SSH and Kubernetes commands and developed CI /CD for the same using GitLab, Docker and shell scripts.
- Involved in QA ownership for certain services including developing test scenarios, testcases and executing the same and creating bugs if required and discussing QA result with the team.

Software Developer in Test | Trustwave| Contract Full Time | Remote, Canada   **Apr 2022 - Jul 2023 · 1 yr 4mos**
- Worked on developing and maintaining internal test tools for SIEM components including NEP, Fusion, NG etc.
- Developed REST API endpoints using Flask to provide common interface for all testing tools for manual testers.
- Developed tools to automate tests based on API, UI, DB, and CLI using Python, Robot, and Selenium (POM).
- Developed tools to store test results and update the same on confluence, JIRA etc. using APIs, shell & Groovy.
- Performed Load testing for MISP APIs using JMeter, Taurus, and AWS DLT tool.
- Involved in Infra setup, troubleshooting and debugging in VM and AWS environment.

Software Developer 2 | CNR | Contract Full-Time | Remote, Canada   **Jan 2021 - Jan 2022 · 1 yr 1 mos**
- Worked on a train dispatch-based product called PDS.
- Worked on building a Python-based tool called PDS-CLIENT-SIM from scratch on top of the OpenAPI-generated client code for REST and WebSocket automation.
- Developed and Maintained APIs using flask for the internal team help.
- Developed and Maintained tools from scratch using Python for stress and load testing.
- Involved in pipeline creation using Docker & Azure DevOps Services (GitHub, Boards, Pipelines).
- Contributed to the API review meetings in terms of the Automation requirements perspective.
- Constantly helped team members to understand the new requirements and debug.

Software Engineer 2 | Dell EMC | Permanent Full-Time | India   **Feb 2016 – Dec 2018 3 yrs**
- Worked on a project called Skyline Chassis as a Tool Developer.
- Worked on Dell PowerEdge MX servers including chassis, compute sleds, storage sleds, and IO Modules.
- Contributed to a Data-Driven Automation Framework development called NGM for the REST API testing.
- Developed and Maintained core modules and test cases for Network, Device, and Power based features.
- Used Python to develop HTML report generator, and report summary email notification tools.
- Developed required scripts for Stress, and Load Testing using Python.
- Developed basic stand-alone UI Automation scripts using Selenium and Java.
- Prepared and executed automation test suites using Jenkins for Build Verification and Regression Testing.

- Involved in Test Environment Setup which includes bringing up servers with the required configuration.
- Used QMetry to develop and execute test cases.
- Performed API, Integration, BlackBox, Compatibility, Security, Recovery, and Ad-hoc Testing.
- Used Postman for the REST API testing.
- Raised bugs and extensively used JIRA to manage the same.

Education Master's degree in computer science | University of Regina | Regina, Canada

Courses- Software Development, Data Science, Image Processing, and Computer Networking related fields.
Percentage- 83.3

Bachelor's degree in information technology | UVCE | Bangalore, India

Courses- Programming Languages (C, C++, Java, PHP and C#), Data Structures and Algorithms, OOPs, Database systems, Data Mining, Networking, Computer Architecture, Web Development, Neural Networks, and WSN. Percentage- 72.65

Online Certifications - See Certificates
- Completed AI-900 Exam Preparation: Microsoft Azure AI Fundamentals, DevOps Fundamentals, Microsoft Azure Fundamentals, AZ-400 Microsoft Azure DevOps Solutions from Cloud Academy ·
- Completed JavaScript Algorithms and Data Structures Developer Certification from FCC
- Completed Python 3 Programming assessment from IKM with 95%.
- Certified in Docker Fundamentals from Kode Kloud. October 2020
- Certified in Python (Advanced), Problem Solving, and REST API from Hacker Rank

Additional Information
- Languages- English, Kannada, and Hindi.
- Visa Status- Canadian PR
- Relocation- Willing to relocate anywhere in Canada.