Eyobed Tegegne

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SOFTWARE ENGINEER / AUTOMATION ENGINEER / DEVOPS ENGINEER

Expertise in software development and testing with extensive experience in manual and automation testing supporting the finance sector. Adept at test driven development and proactive engineering leveraging industry knowledge with leading edge technologies to deliver on initiatives. Demonstrated capacity for fostering relationships across functions and with key stakeholders to impact processes, projects, and programs. Also skilled with operations and change management with experience in cloud technologies. AWS certified.

- Project Management
- Agile Methodologies
- Programming Language Concepts
- Source Code Management
- Quality Assurance
- Database Management
- Web and Mobile Automation
- Electrical Circuits
- Software Development
- Cloud Computing and Operations
- Continuous Integration / Continuous Development

TECHNICAL SKILLS

- Xcode IDE; Swift/XCTest/KIF iOS Frameworks, HP ALM, X-ray, TestRail, ServiceNow
- Source Tree, GitHub and Jenkins; JIRA, Confluence, Charles Proxy, SOAPUI/ReadyAPI, Jmeter, Selenium, Appium, Cucumber, SonarQube, Paw, Postman, Pycharm, Datadog, loadRunner, Swagger, Kibana, Splunk, Terraform, Chef
- HTML, CSS, Java, SQL, Python, Javascript, Swift, AWS, CI/CD, groovy, Flask Framework, SqlAlchemy, PostgressDB, Serverless, Linux, Django, Robot, Selenium Webdriver

EXPERIENCE

WMC Global, Fairfax, VA
Automation Engineer   **July 2020 - Present**

Currently working as a Software Automation Engineer on Phishfeed platform that helps customers prevent phishing attacks.

- Writing multiple automation script using python and requests library to ensure quality
- Writing, configuring and running different Jmter scripts to ensure high performance
- Analyzing data and metrics from different batches to ensure model accuracy
- Configuring ASGs, ECS clusters and task definitions to ensure high availability and stability of the product
- Deploying development builds to lower environments by updating configs and ML models depending on the needs
- Writing and executing different SQL queries using MySQL Workbench and AWS Athena to gather data for analytical purposes
- Testing end to end functionalities of different APIs using Postman
- Writing and maintaining web scraping automation scripts using Selenium webdriver and pyppeteer frameworks
- Writing python scripts to generate and report functional and load test results

Capital One, Vienna, VA
Sr Associate Software Engineer   Jan 2019 – April 2020
Worked as a software engineer managing a 3rd party platform (SonarQube) that analyzes the code quality and security of application teams. The application is containerized and hosted in AWS. The application is very crucial for development teams as it is one of the requirements for their production deployments. Below are few of the many tasks I perform.

- Managing a slack channel that has over 1500 users of the sonar application
- Troubleshooting and fixing customer issues regarding their coverage and build failures related to sonar
- Managing terraform application infrastructure and deployment through Jenkins
- Writing multiple python scripts to pull and manipulate customer data and reports by leveraging APIs
- Gathering logs and server errors from a Linux machine instances
- Managing multiple components of the prod and non-prod application on AWS like ELB, EC2, ASG, DB,S3, security groups(SG) and more to make it highly available for users and be more fault tolerant. I also take care of cross region failover deployments
- Writing documentation on version upgrades and new changes regarding the application
- Rehydrating of AMIs every 30 days
- Maintaining and developing automated Jenkins deployment scripts using groovy
- Setting up and maintaining production environment monitoring using Datadog
- Being on call and give 24-hour support in case there is a production failure
- Participating in TREX activities to check the resiliency of the application which involves AWS region isolation

- Installing, testing and deploying sonarSource and 3rd party plugins to multiple development environments
- Presenting accomplishments and demos to leaders

Cvent, Mclean, VA
Software Quality Engineer   **Aug 2018 – Jan 2019**
Worked in a very immense project called 'Flex' which is a complete redesign of the complex event management website which includes in app website designer that allows planners to customize their own website.

- Validated bug fixes and stories daily by navigating through the different complex website pages.
- Wrote and fixed complex web automation scripts using a key driven framework.
- Monitored services by running and checking results of API scripts leveraging Jenkins and readyAPI.
- Found and reported reasons for hard errors by looking into Splunk log.
- Wrote SQL queries to make sure all data is accurately stored.
- Maintained and fixed automation scripts that are written in groovy.
- Wrote and maintained automated test scripts using selenium web driver and java.
- Wrote cucumber (Bluecumber) test cases using Gherkin.
- Presented team accomplishments and demos to leaders.

Capital One, Vienna, VA
Testing Specialist, Senior Level - Team Lead   **March 2017 - Aug 2018**
Organized workflow and distributed tickets for testing among team members. Gathered automation work progress and wrote bi-weekly and monthly reports.

- Reviewed automation PRs on GitHub to ensure code health and feature functionality changes.
- Wrote numerous automation scripts for new and existing features using KIF and collaborated on the automation framework for faster and better test runs.
- Oversaw both manual and automated regression for enterprise teams on every release.
- Aligned with different API teams and validated that changes would not impact any functionality in QA and production.
- Conditioned numerous accounts for different teams according to their needs using TDM, and LDAP tools such as Apache Directory Studio.
- Logged, validated, and tracked the progress defects found daily using JIRA, TestRail/Xray.
- Wrote and analyzed performance and load tests using Jmeter and load runner.
- Partnered with Product Owners and Designers to ensure required features were incorporated prior to roll out to customers, with no bugs.
- Worked with multiple cross platform teams to test similar features that are released for both iOS and android devices.

- Contributed to the master repository by fixing bugs and stories.

- Mentored new QE members and trained iOS developers in automated testing development, best practices, and test data maintenance.
- Recognized with multiple CapitalOne "Onederful" Certificates and recognitions for exceptional performance and participation.

Capital One, Vienna, VA
Quality Engineer   June
2015 - March 2017
Maintained the test data sheet by updating all necessary information of test data accounts used for the iPad 2x, iPhone 5x, and Universal app projects.

- Created and conditioned more than 10 test data accounts daily to provide team with the proper testing accounts for specific scenarios.
- Conducted and ran more than 50 manual and automation test cases everyday using HP Application Lifecycle Management (ALM), XRAY, and KIF to enhance team productivity, and to locate and fix defects.
- Conducted end-to-end testing by capturing and manipulating multiple server requests and responses using Charles' proxy to validate that defects located were due to server error or app malfunctioning.
- Logged, validated, and tracked the progress defects found daily using JIRA.
- Developed test cases using HP ALM and XRAY to enhance regression for both iPhone 5x and iPad 2x projects.
- Authored and maintained automation scripts for new and existing features using Appium and KIF.
- Recorded multiple API calls using a SoapUI monitoring tool to monitor QA backend health status.
- Ideated and engineered a simple App that included all the IOS teams and member details for Capital One.

EDUCATION

Certification, Information Technology
Year Up, Northern Virginia Community College, Arlington, VA

Electrical Engineering and Computer Science
Addis Ababa Institute of Technology (AAiT), Addis Ababa, Ethiopia

ADDITIONAL RELEVANT INFORMATION AND CERTIFICATES

- IOS Development Bootcamp Certificate – Accelebrate
- PCEP – Certified Python Programmer Certificate
- Intro to Programming Nanodegree Certificate - Udacity
- Full Stack Development – Udacity
- Java Training Certificate - SoloLearn
- Python 3 Training Certificate - SoloLearn
- AWS Certified Developer - Linux Academy
- Google Technical support Fundamentals Certificate - Corserea
- Year Up Mentor, Arlington, VA 2016-Present
- Year Up Dependability Award - 2015

- Year Up Intern of the Week Award - 2015
- Capital One life safety team member, VA 2017 – Aug 2018
- AWS Cloud Practitioner Certified
- Python / Django Certificate – Stackskills