

Max Keke

Software Development Engineer in Test/QA Engineer

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PROFILE SUMMARY

- Around 6 years of experience in Software Quality Assurance including Manual and Automation testing of Client-Server and Web-based applications.
- Around 5+ years of experience in software testing using Selenium Webdriver.
- Around 2+ years of experience in software testing using Tosca automation tool.
- 6+ years writing PYTHON script to automate various repetitive tasks.
- QA Management: I have created and led a QA team from scratch, hired additional QA personnel for the company, and empowered junior QAs to assume leadership positions. Additionally, I have developed test procedures and made refinements to ensure that our testing team can make a real impact.
- Automated Testing: Over the course of my career, I've gained extensive experience in automated testing, using tools like Selenium WebDriver, Cypress, and Tosca. My expertise includes designing and implementing test automation frameworks, utilizing Page Object Design Patterns, and Pytest fixtures. I've automated tests for Web, GUI, client/server applications, and RESTFUL APIs, significantly improving testing speed and reliability across projects.
- QA Strategy that includes both Automated and Manual Testing Methodologies: In an agile environment that facilitates speed to market, it's important for developers to receive early feedback on their work items so that defects do not become too expensive to fix. The strategy I developed involves quickly creating test cases and executing them to provide early feedback to developers. Subsequently, I automate these test cases when manual testing demands decrease. By doing so, I utilize manual and automated testing in a complementary manner, enabling the team to deploy faster while concurrently expanding our regression test suite.
- SaaS: My experience with SaaS Application includes testing web and API layers using automated tools like Selenium, Postman, and SOAPUI, as well as manual testing techniques. I have ensured the reliability, scalability, and security of SaaS products through rigorous testing protocols, working closely with development teams to support continuous integration and deployment practices.
- Agile Scrum SDLC: Working in Agile Scrum environments, I've been actively involved in all phases of the SDLC, from requirement analysis to deployment. My responsibilities included sprint planning, daily stand-ups, sprint reviews, and retrospectives, ensuring QA activities were fully integrated into the agile process.
- Azure: My proficiency with Microsoft Azure extends to using Azure DevOps for managing the CI/CD pipeline, which included automating builds, tests, and deployments. This experience ensured seamless integration and delivery processes.
- Automated Software QA Tools: I've utilized a variety of automated QA tools such as Selenium for web testing, Cypress.io for end-to-end testing, Cucumber for behavior-driven development, Postman for API testing, and JMeter for performance testing. These tools have enabled me to develop robust, scalable, and maintainable test suites, significantly reducing testing time and increasing coverage.
- Jira: My use of Jira has been extensive, leveraging it for bug tracking, issue tracking, and project management. I've customized workflows, created dashboards, and used reporting tools to enhance visibility and communication within the team.

- Xray: While using JIRA, I've also worked with Xray for test management. This involved designing, executing, and reporting on test cases directly within the JIRA environment. Xray's integration allowed for streamlined workflows and improved traceability between defects, test cases, and requirements.
- Salesforce: My testing experience extends to Salesforce CRM, where I've conducted both manual and automated testing of custom Salesforce applications and integrations. This included functional testing, UI testing and API testing to ensure that all customizations and integrations worked seamlessly with Salesforce's standard and custom functionalities.
- QA Metrics: I've developed and tracked key QA metrics to measure the effectiveness of testing activities, including test coverage, defect densities, mean time to detect/resolve issues, and test execution times. These metrics informed continuous improvement efforts, helping to refine testing strategies, improve product quality, and optimize team performance.
- Experience working with Git for repository management.
- Experience in analyzing requirements, developing Test plan, writing test conditions, and driving test cases.

TECHNICAL SKILLS

Test automation, selenium webdriver, python programming language, C#, Jenkins, DevOps, Jira, SQL, agile methodologies, robot framework, browserstack, test cases, Testrail, test scenarios, scrum, user acceptance testing, git, continuous integration, qa/qc, Linux, REST API, unit testing, slack, azure boards, Microsoft azure test plans.

Certifications and Licenses

ISTQB Certified AI Tester

ISTQB Certified Tester, Foundation Level (CTFL)

Microsoft Certified: Azure AI Fundamentals

Google Cloud Certified – Cloud Digital Leader

PROFESSIONAL EXPERIENCE

CVS Health, Philadelphia, PA

12/2022 to Present.

Manager QA Engineering

As the Manager of QA Engineering at CVS Health, I spearhead the quality assurance initiatives for our innovative cognitive search system, dedicated to the secure and efficient handling of Protected Health Information (PHI) documents. My role is pivotal in orchestrating the full lifecycle of quality assurance, from conceptualizing strategic test plans to executing automated test scripts for comprehensive regression runs.

Key Contributions:

- **Generative AI Testing:** Successfully created and tested prompts to extract critical information from health documents. This involved fine-tuning prompts to ensure high accuracy and relevance in the information extracted, contributing significantly to the quality and reliability of the cognitive search system.
- **Automation of ETL Processes:** Spearhead the development of automated testing frameworks for ETL processes, utilizing tools like Python and SQL. My focus on automation not only streamlines testing efforts but also significantly reduces manual intervention, resulting in faster, more reliable data validation and seamless integration into the CI/CD pipeline.
- **ETL Testing Excellence:** Lead the validation and verification of complex ETL processes, ensuring data accuracy, completeness, and consistency across various stages. My meticulous approach to testing transformation logic and data integrity guarantees that our data pipelines meet the highest quality standards and business requirements.
- **Tested AI systems:** Conducted comprehensive testing of AI systems to ensure accurate extraction of radiology information, ensuring compliance with HL7, FHIR, and DICOM standards.

- **Standards Compliance:** Verified that healthcare applications adhered to HL7 messaging protocols, FHIR APIs, and DICOM imaging requirements, ensuring interoperability and data integrity.
- **Data Quality Assurance:** Validated datasets used for AI model training and inference, ensuring integrity, completeness, and relevance of the data for healthcare solutions.
- **Data Integration Testing:** Verified seamless data integration between healthcare systems and AI solutions, ensuring compliance with data security and privacy regulations such as HIPAA.
- **Automated Test Case Generation:** Developed sophisticated prompts for the GPT API that enable the automatic generation of test cases from development user stories. This approach ensures comprehensive test coverage, aligns with the dynamic requirements of the development process, and supports continuous integration and deployment pipelines.
- **Test Strategy Development:** Conceptualize and implement robust test strategies to ensure the highest standards of quality for our cognitive search system. My approach focuses on aligning testing objectives with business goals, ensuring that every facet of the system exceeds performance benchmarks.
- **Automated Testing Leadership:** Champion the development and maintenance of automated test scripts using **Tricentis Tosca Testsuite**, significantly enhancing the efficiency and reliability of our regression testing processes. My expertise in automation tools and frameworks ensures that our system consistently delivers precision and speed.
- **Cross-functional Collaboration:** Foster a collaborative environment by working closely with software developers, data scientists, and product managers. My leadership ensures seamless integration of QA processes throughout the product development lifecycle, from initial design to final release.
- **Continuous Improvement:** Drive continuous improvement initiatives by regularly reviewing and refining QA processes. My commitment to excellence involves staying abreast of the latest industry trends and technologies, ensuring that our QA methodologies remain at the forefront of innovation.
- **Risk Management and Compliance:** Vigilantly oversee the adherence to industry standards and regulatory requirements for PHI handling. My proactive risk management approach ensures that our cognitive search system is not only efficient but also fully compliant with data protection laws.

In this role, I am not just ensuring that our systems work flawlessly; I am also safeguarding sensitive health information, thereby reinforcing CVS Health's commitment to operational excellence and customer trust. Joining hands with a team of dedicated professionals, I am on a mission to set new benchmarks in the quality of healthcare technology solutions.

TestingXperts, Mechanicsburg, PA

04/2022 to 12/2022.

Quality Assurance Engineer

- Build Selenium WebDriver automated test script in C# using visual studio which I deployed into Microsoft Azure pipeline for continuous deployment using these dependencies: Selenium WebDriver V4.5.1, WebDriverManager V2.16.0, Microsoft.Net.Test.Sdk V17.1.0 Xunit V2.4.1, Xunit.Runner.VisualStudio V2.4.3
- Design Test scopes, Test scenarios, and Test strategy for the variety of applications with expanded test coverage.
- Create Test plan and Test suite in Azure DevOps.
- Automated API test scenario using Pytest with python httpx library.
- Automated UI test scenario using Selenium Webdriver with Pytest.
- Write python script to Automate the intake of infinite number of files concurrently by the API using Asyncio library.
- Performed functional testing of SOAP and RESTful Web Services using SOAPUI tool.
- Develop the test strategies from scratch.
- Craft test plan according to agile methodology.
- Work as a test automation specialist to support the testing effort by designing and implementing automated test script using Selenium.

- Prepare and acquire test data.
- Perform SQL queries to validate the correctness of our data from oracle DB and the data from API call or UI.
- Utilized SQL scripts for data retrieval, manipulation, and validation, ensuring the integrity and accuracy of data in line with ETL requirements for ML Model training.
- Worked closely with development teams to understand the ETL requirements and data models. Actively involved in the initial planning stages of ETL processes to provide input on test strategies and data validation techniques.
- Participate in Stand-up meeting, walkthrough meeting, weekly automation meeting with all other QA, weekly assessment meetings with business analysts and developers.
- Use Git for my version control and to allow other developers to access the code.
- Build and schedule the execution of the regression test suite using Selenium IDE then convert in Python code to be use with Selenium Web driver for Pytest framework.
- Perform Selenium test integration for the mobile application (Android, IOS) using ALITHYA GOTEST which is a keyword driven automation tool for end-to-end testing.
- Write end to end automated test suite using Cypress.
- Create regression document to track and report testing activities during each phase of testing, including testing results, test case coverage, required resources, logged defects and their status, performance baselines.
- Installed and Administrated CI/CD tolls like Jenkins for managing weekly Build, Test and Deploy chain, GIT with Dev/Test/Prod Branching Model for weekly releases.
- Work with the product owner on reviewing the BRD to build and maintain bidirectional traceability between Test conditions, test cases and the PRD.
- Review tests developed by my coworker.
- Facilitate the test process by being of support to manual testers.
- Perform root cause analysis for the bugs found and report in JIRA.
- Help the development department to debug and fix the bug and perform confirmation testing afterward.
- Perform User Acceptance Testing prior and after the Go-Live.
- Done different knowledge transfer to the new hires, cross-functional teams and performed weekly client demo on manual and automation testing processes.
- Environment: Web Applications, Cypress, Appium, Python, Selenium WebDriver, Postman Jenkins, MySQL, C#, JavaScript, Smartsheet, Azure Test Plan, AWS, Agile Methodology.

APPLAUSE

02/2020 to 03/2022

Software QA Engineer

- Reviewed requirements, specifications, and technical design documents to enable robust QA planning ahead of software release.
- Used ALM Quality Center to create and manage detailed, comprehensive, and well-structured test plans and test cases in parallel with development to thoroughly validate new features.
- Leads a team of quality engineers through multi-disciplinary team planning and ecosystem integration to accelerate delivery and drive quality across the application lifecycle.
- Applies business and functional knowledge to develop end to end testing strategies using quality processes and methodologies.
- Created White/black box test cases and developed target test applications based on identified use cases.
- Implement testing methodologies, principles, and processes to define and apply key metrics to manage and assess the testing process including test execution and defect resolution.
- Performed Smoke, Integration, Functional, Regression, System, and acceptance testing during different stages of the application development and created Test Plan and Test Cases as per Requirements Specification.
- Conducted rigorous testing of native mobile applications on iOS and Android platforms, utilizing tools like Android Studio and Xcode.
- Performed SQL queries to MySQL server to validate client's information in records.

- Provided SQL-based solutions for data retrieval and management tasks, contributing to project success and efficiency.
- Performed accessibility testing using BrowserStack to ensure software compatibility across various environments.
- Identify best candidates for automation and manual testing from the existing backlogs in JIRA and manage existing bugs and stories.
- Experienced in mobile Manual testing process on different modules in different environments using Browser Stack.
- Worked closely with developers to create comprehensive test plans using the developer's specification or bug description using JIRA.
- Participated in design and code reviews, software maintenance releases, and documentation of test cases.
- Identified, documented, and tracked software defects, working closely with the development team to prioritize hot fixes.
- Conducted confirmation testing after bug resolution to ensure the effectiveness of fixes.
- Developed and maintained PyTest test suites using Python and Selenium WebDriver to aid regression testing efforts.
- Used Cypress for full end-to-end testing leveraging the Cypress watch mode to monitor my test files for changes and perform real time debugging of my test script.
- Integrated my Cypress tests into a Jenkins CI/CD pipeline.
- Performed User Acceptance Testing (UAT) from the business perspective and according to user manuals to ensure the software met user expectations and requirements.
- Was involved in functional (integration, system) and non-functional (usability, performance, security) testing of Client's products.
- Worked with engineering services team to run tests in a continuous integration environment Jenkins and report on results and involved in resolving bugs fixes with the Development Team.
- Done manual API testing and application testing, throughout the SDLC in Agile environment.
- Performed functional testing of SOAP and RESTful Web Services using SOAPUI tool, used Python/Behave to run Cucumber feature and scenarios and generate report daily.
- Environment: Pytest, Selenium WebDriver, Cypress, Unit Test, Jenkins, GIT, SQL, Postman, Python, Xpath, CSS Selector, Internet Explorer, Chrome, Firefox, IOS.

Manual Tester

04/2018 to 01/2020

UATest

- Responsible for analyzing software specification documents along with product owner and developers to formulate the test plans and test cases using TestRail.
- Supporting development team in finding the root cause of errors by analyzing logs, and database.
- Created User Stories, Test plans, Test scenarios, Test cases and Bugs reports using JIRA.
- Reporting the defects through the project tracker, TestRail, JIRA, and tracking them daily during the Sprint process.
- Document and build Test plans in JIRA to capture business requirements, eligibility services, and implement a well-defined set of tests to uncover most of the bugs relevant to the business.
- Analyze test results, identify bugs, and report to the dev team and QA Manager using JIRA.
- Worked on UAT/User Acceptance Testing and Manual Regression testing for customer face Web app for different stages of development.
- Accomplished both RESTful/SOAP API/Webservices testing using Postman and SOAPUI.
- Regularly employed SQL queries to validate data integrity and accuracy within databases.
- I executed test cases and analyzed results.
- I created logs to document testing phases and defects.
- I reported bugs and errors to development teams.

- Helped troubleshoot issues.
- Environment: JIRA, TestRail, Windows, MS Office tools, MS Visio, MS Outlook, Oracle SQL Server, Internet Explorer, Chrome, Firefox.

Education

Bachelor in computer science
UC

Portfolio: <https://kek005.github.io/>

Languages

English,
French.

Country

United States of America.





The American Software Testing Qualifications Board, Inc.
and its Board of Directors hereby attests that

Jesugnon Maxime KEKE

has successfully completed the prescribed requirements
in software testing of the International Software Testing
Qualifications Board and is awarded the designation of



**Certified Tester, Foundation Level
(CTFL)**

A handwritten signature in black ink, appearing to be 'Murry'.

Margaret Murry, Certification Director, ASTQB

22-CTFL-01736-USA
Certified: July 27, 2022



This acknowledges that

Jesugnon Maxime Keke

has successfully completed all the requirements to be recognized as a

**Google Cloud Certified
Cloud Digital Leader**

Series ID: 76812

Issued Date: Jul 12, 2024

Expiration Date: Jul 12, 2027

ID: e196318b97f74da09e0eb34596b067ef

Certified As: Jesugnon Maxime Keke

A handwritten signature in black ink, likely belonging to Thomas Kurian.

Thomas Kurian
CEO, Google Cloud

