

Luis Francisco Contreras Gonzalez

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PROFESSIONAL EXPERIENCE

IBM

Aguascalientes, Ags. Mexico

Software Test Lead - QAE, Data Analyst and Storage performance

January 2022 - Present

Test Lead managing multiple projects in Storage Systems Development, including Spectrum Virtualize on SAN Volume Controller (SVC), Storwize Flash System, and Auth0.

Lead remote teams in performance analysis and test automation, utilizing Playwright with CodeceptJS and Selenium to create robust and efficient test scripts for end-to-end and cloud testing. Focus on data reduction through deduplication, compression, and caching using Linux systems and Python automation tools.

Provide guidance to team members by defining clear roles and responsibilities, serving as an escalation point for critical issues, and managing vendor relationships throughout the engagement, testing, and deliverable phases.

- Performance data modeling to the Storage team demonstrating impact of various features of the product (FlashCopy, Global mirror/Metro Mirror, DRP).
- Working with several tools including Oracle Vdbench, Python, Perfweb, Perfauto using data from testing, deployment and production environments to measure quality and drive actionable improvements to products.
- Monitor, debug, troubleshoot, and report regressions, bugs, and findings using Jira, Trello, and Monday. Ensure high-quality software delivery and effective risk management.
- Assisting tech sales with guidance making recommendations based on the performance requirements of the client.
- Preparation and execution of Testing Plans, Test Automation and CI/CD with Jenkins, ArgoCD and Testomat.io.
- Generating clear comparison reports for data analysis with scripting automation tools and SQL querying.
- Managing and testing of Linux storage Flash systems with IBM's Spectrum virtualize Cloud services.
- Contributing to developing the internal knowledge base, new and existing documentation or educational content.
- Functional Automation testing (API, Microservices and GUI) with Playwright, CodeceptJS and JavaScript.
- Contribute to code reviews to ensure software quality, stability and testability.
- Achieved "Champion Learner - Gold" level, awarded to only 6% of IBM alumni.
- Received the Innovative Technologies-Cloud Squad Award, featured in IBM's "CTG Magazine: innovaTec".

QASource

Aguascalientes, Ags. Mexico

Sr. QA Software Test Engineer/Lead Quality Engineer Manager

June 2018 - December 2021

QA Test Engineer, leading and performing manual, performance and automated tests, system integration, database and regression testing to ensure product quality. Specialized on identifying weak points and potential problems for different applications on Web, Desktop, and Mobile platforms in the HealthCare domain and Salesforce.

- Collaborate with Product Managers, QAEs, SDETs, and SDEs to understand features and technical implementations in an agile methodology. Applying testing processes for new and existing products to meet client needs, maximizing test coverage, release velocity, and production health.
- Lead and work on multiple projects simultaneously, performing functional and non-functional testing. Achieving 100% work delivery with full client satisfaction.
- Designing and implementing tests, debugging and defining corrective actions, providing end-to-end solutions, test automation with Selenium with Python.
- Monitoring all stages of software development to identify and resolve system malfunctions to meet quality standards, reviewing requirements, specifications and technical design documents to provide timely and meaningful feedback.
- Working with Azure DevOps, Microsoft TFS, Jira and Confluence for test management and agile processes.
- Working closely with developers to design test criteria and develop test plans, test cases and scripts.
- Identify, record, document and track bugs and perform regression testing when bugs are resolved.
- Performance Testing with Apache JMeter for Load, Stress, Endurance and Spike validations.
- Integration tests between systems, Microservices and APIs using Postman and databases, PostgreSQL.
- Verified correct functionality of mobile applications across various devices, browsers and operating systems by building and executing tests using BrowserStack, Virtual Machines, and scripts.
- Providing and conducting demos for different stakeholders and internal company business.
- Measurement and monitoring data for testing with Google Analytics and Google Tag Manager.
- Support in selection, mentoring and training of new members in the company.
- Awarded with the company top performance rating 3 consecutive years.

iSQI - International Software Quality Institute

Consultant and volunteer collaboration

Collaborator and consultant for the iSQI group, sharing information and knowledge regarding software testing worldwide in different formats such as articles, videos, and webinars.

- Built and developed online programming and helped with the online video presence with more than 6000 followers.
- Writer on an article for SQ_mag #9 which is viewed worldwide in digital form and distributed physically in Germany <https://www.sq-mag.com/all-issues/sq-mag-no-9/> (free, just asks for an account).
- Writer on an article for SQ_mag #12 which is viewed worldwide in digital form and distributed physically in Germany <https://www.sq-mag.com/sq-mag-no-12/> (free, just asks for an account).
- Writer on an article for SQ_mag #13 which is viewed worldwide in digital form and distributed physically in Germany <https://www.sq-mag.com/sq-mag-no-13/> (free, just asks for an account).
- Participated in the A4Q World Congress for an international audience.

The QA Testing Channel

Account Manager/Partner and certified instructor

Aguascalientes, Ags. Mexico
May 2018 - June 2021

Certified instructor partner of The QA Testing Channel, giving conferences and talks regarding Software Testing, Computer Science and software Engineering, Databases, among other various topics.

- Creation, design and preparation of courses, training activities and materials.
- Working as a member of the learning and development team in carrying out the assessment of training needs, also identifying/assessing training and development needs.
- Follow up on prospecting and closing sales.
- Creation of YouTube content, including video editing.
- Collaboration on "QAfé Talks" Podcast with Hands on QA company, series available on Spotify, YouTube, TikTok, Anchor, Breaker, Google Podcast, Overcast, Pocket Cast, Facebook and LinkedIn.

Capgemini

Quality Assurance Test Engineer

Aguascalientes, Ags. Mexico
December 2016 - May 2018

QA Test Engineer working creating, updating, and executing test cases for communication sector web applications using HP-Quality Center as main management tool. Led, coordinated, and managed offshore and nearshore testing teams and ensured traceability and coverage testing for large and complex projects. Conducted analysis, inspection, design, and integration to assure quality and proactively identified, clarified, and escalated risks. Responsible for defect management, quality control, and project status. Trained team members to address skill/knowledge gaps and worked closely with automation teams to conduct sanity testing and identify defects.

- Analyzing business requirements.
- Creation of test cases.
- Handling project test execution, customer escalations and test reporting for Desktop, Web and Mobile Systems.
- Defect management.
- Attend meetings to track the status of the project.
- Knowledge of software development life cycle, testing methodologies, and testing tools.
- Experience with different development life-cycles including Agile methodologies.

Softtek

Software Engineer, QA data Analyst and performance

Aguascalientes, Ags. Mexico
August 2015 - December 2016

International support for General Electric Turbines, including remote testing of software and hardware and communication with engineering teams using various applications. Monitored tools and databases to ensure 24/7 uptime availability for critical software for electrical facilities and used oracle databases and network technologies to troubleshoot servers and extract and analyze data. Worked with tickets in the Servicenow tool to ensure security of facilities and assets.

- Data extraction, analysis, testing and reporting with SQL.
- Testing and troubleshooting software applications and hardware servers infrastructure for network support.
- Handling and working with prioritized tickets in the Servicenow tool.
- Identifying, testing, tracking and reporting KPI trends over the course of the projects
- Exceeded issue-resolution targets and achieved exemplary customer satisfaction scores.
- Developed an internal tool to recollect and organize data of the project which improved the efficiency of the onboarding process and the general search of information, recognized and awarded by the upper management.

Manual testing for Web Systems, performing functional, regression, exploratory and smoke testing for web and desktop systems using HP ALM. Testing and validation of new products, and new releases of existing products, giving support to several clients to keep their web pages updated and running correctly, adding and updating modules to them and administering databases, Collaborating with technical leads, and development teams on testing, problem solving, troubleshooting and resolution of product issues.

- Test Design, test scenarios and test cases and execution.
- Defect Identification, troubleshooting, retrieval of logs and proposed regression tests to discover reoccurrences.
- Lead point of contact between automation and testing teams.
- Database validation with SQL server and Oracle SQL.
- Validation of working software on multiple mobile devices and OS.

EDUCATION

Technological University of Aguascalientes (UTA).

Aguascalientes, Ags. Mexico

Bachelor of Systems Engineering

Honors: Received the Top graduate Award in the UTA's Anniversary event and participated on the "Successful graduated" panel at the University.

Technological University of Aguascalientes (UTA).

Aguascalientes, Ags. Mexico

University technician in Information Technologies for Development (TSU)

San Antonio's Alamo Colleges.

San Antonio, Texas. United States

Certificate of completion for international program

Tecnológico de Monterrey

Aguascalientes, Ags. Mexico

Full-Stack Coding Boot Camp

Skills, Certifications and Courses

- **Programming:** Python, Javascript, Java, SQL, Node.js
- **Technical Skills:** Selenium Web Driver and IDE, Maven, Gradle, TestNG, Cucumber, PyTest, Playwright, CodeceptJS, Chai, Mocha, Jest, JFrog Artifactory, Apache JMeter, BlazeMeter, Oracle Vdbench, PerfWeb, PerfAuto, Thunder Client, Postman, Newman, Swagger, Karate DSL, Google Analytics, Google Tag Manager, JSON, XML, CSS, HTML, Linux shell scripting, MySQL, Oracle SQL, PostgreSQL, Jenkins, GitHub Actions, ArgoCD, Azure DevOps, IBM Cloud, AWS, HP ALM Quality Center, Testomat.io, Jira, Trello, Microsoft TFS, Monday work management, Git, GitHub, GitLab, BrowserStack, LambdaTest, Microsoft Office, Microsoft Project, MindView, VMware Workstation, Apple's iMovie
- **Operating Systems (OS):** Linux, macOS, Apple's watchOS, IOS, Android, Windows, Windows Server
- **Certifications:** Google Project management, Scrum Master, ISTQB Certified Tester - Test Automation Engineering, ISTQB Certified Tester - Advanced Level Test Manager, A4Q Certified Selenium Tester Foundation, ISTQB Certified Tester - Agile Tester, ISTQB Certified Tester - Foundation Level, Python Institute PCEP, Harvard University CS50P Programming with Python, Harvard University CS50x Computer Science, Harvard University Web Programming with Python and JavaScript, Computer Science and Programming Using Python by MIT, Postman API Fundamentals Student Expert, ProgrammingExpert.io, Playwright with JavaScript Test Automation University, Continuous Integration with Jenkins Test Automation University, Source Control for Test Automation with Git Test Automation University, Programming with JavaScript by Meta, Programming with Python by Meta, Certified Python Developer by W3Schools, Project Management STPS DC-3, Mainframe Specialist - Linux Operations and Programming - Experienced credential, IBM Cloud Essentials, Microsoft Azure fundamentals az 900, Apache JMeter Pro by BlazeMeter University, Apache JMeter Intro by BlazeMeter University, Master BlazeMeter Performance Testing by BlazeMeter University, Scrum Fundamentals, Microsoft MTA Software Development Fundamentals, Microsoft MTA Database Administration Fundamentals, Querying Data with Transact-SQL by Microsoft, Microsoft Software Testing Fundamentals, Google AI for Anyone, Google Analytics Qualification, Cloud Computing by Google, Google Personal productivity, HIPAA Security Training, HIPAA Awareness Training for Business Associates, DB Administrator TELMEX Institute, Data Analyzer TELMEX Institute, ICarnegie Software Development Program, ICarnegie Learning Computing and problem-solving, ITEP International Test of English Proficiency, Codecademy Python, freeCodeCamp JavaScript, freeCodeCamp Scientific Computing with Python.