

Jahir Gilberth Medina Lopez, BSc.

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Dynamic and results-driven Senior Software Developer Engineer in Test, offering extensive expertise in the comprehensive analysis, meticulous review, and strategic approval of test plans, End-to-End (E2E) tests, integration tests, and sophisticated automated testing solutions. Highly proficient in a diverse array of industry-leading testing tools and programming languages, including Selenium WebDriver, Cypress, Playwright, C#, Java, and Python. Demonstrates a proven track record in spearheading Quality Assurance (QA) processes, effectively managing complex automation projects, and making significant contributions to the development of high-caliber software within agile (Scrum, Kanban) environments. Eager to leverage skills and experience in a challenging software testing and QA automation role.

Education

Master’s Degree, Big Data & Data Science Universitat Internacional de Valencia Valencia, Spain	<i>October 2024 – December 2025 (Expected)</i>
Bachelor of Computer Science, Informatics Engineering National University of Trujillo Trujillo, Peru	<i>APRIL 2015 – DECEMBER 2020</i>
Academic Exchange - 2 Semesters, Computer Science Universidade de São Paulo - ICMC São Paulo, Brazil	<i>FEBRUARY 2018 – JANUARY 2019</i>

Work Experience

Senior Software Developer Engineer in Testing (EN) Willis Tower Watson Lima, Peru <i>JUNE 2024 – PRESENT</i> Serves as a full-time Tester for WTW - Extend Health, USA (Client), operating under the Scrum agile methodology. Spearheads the analysis, review, and approval of test plans, E2E tests, Integration tests, and automated tests utilizing Selenium WebDriver, Zephyr, Azure DevOps, Cypress, Robot Framework, Playwright, and BrowserStack. Commands the QA process, including test definition and the execution of automation testing across the entire environment. <i>[Add a quantifiable achievement if possible, e.g., "Streamlined testing cycles by X%"]</i> Key Technologies/Languages: C# with Selenium, JavaScript with Playwright, Python with Selenium.	<i>JUNE</i>
Senior Consultant Automation Tester Engineer (EN) Aurus Ti Lima, Peru <i>MARCH 2023 – MAY 2024</i> Operated as a contract Tester for Hastings Deerings - CAT, Australia (Client), adhering to the Scrum agile methodology. Directed the analysis, review, and approval of test plans, E2E tests, and Integration tests; developed and executed automated tests using Selenium WebDriver, Karate, Jenkins, Serenity, Appium, Cypress, Playwright, and BrowserStack. Ensured the quality of QA projects, proactively mitigating errors during CircleCI deployments and generating comprehensive reports in AllureTestOps. <i>[Add a quantifiable achievement if possible, e.g., "Reduced post-deployment defects by Y%"]</i> Key Technologies/Languages: Java with Selenium & Appium, C# with Selenium, Python with Appium.	<i>MARCH</i>

Automation Tester Engineer (EN) | Globant | Lima, Peru *JUNE 2023 – OCTOBER 2023*

Functioned as a Contractor QA Automation Tester for PWC - USA (Client) within a Scrum agile framework. Led the analysis, review, and approval of test plans, E2E tests, and Integration tests; implemented automated tests using Cypress, Azure DevOps, TypeScript, NodeJS, and BrowserStack. Pioneered the creation, enhancement, and deployment of a Proof of Concept for the “Tax & Accounting Management Service” web platform. **Key Technologies/Languages:** JavaScript with Playwright & Cypress.

Automation Tester Engineer (EN) | Oktana | Lima, Peru *OCTOBER 2022 – FEBRUARY 2023*

Engaged as a full-time Tester for Slack / Salesforce - North America (Client) under the Scrum agile methodology (NDA). Developed comprehensive test plans, E2E tests, and Integration tests; executed automated tests with Selenium WebDriver, Karate, Jenkins, Serenity, Appium (UIAutomator2), and conducted performance tests using JMeter and Postman. Performed rigorous testing on Salesforce / Salesforce Lightning websites and conducted API Testing on Salesforce API Services. **Key Technologies/Languages:** C# with Selenium, JavaScript with Cypress, Python with BeautifulSoup.

Automation Tester (ES, EN) | NTT Data (Everis) | Trujillo, Peru *AUGUST 2021 – SEPTEMBER 2022*

Served as a full-time Tester for La Junta de Andalucía - Spain (Client) within a Scrum agile environment. Architected test plans, E2E tests, and Integration tests; implemented automated tests using Selenium WebDriver, Robot Framework, Jenkins, Gherkin, JDBC, and Dedalow (proprietary software); executed performance tests with JMeter (Selenium integration) and Postman. Delivered training on Query and API Automation using JDBC and REST Assured (Java). Led an Automation Team of 4 junior testers in an outsourcing project. Conducted professional profile analysis and technical interviews for recruitment. **Key Technologies/Languages:** Java with Selenium, RestAssured & Appium, Python for Performance Testing, C# with Selenium.

QA Tester (ES) | Delaware Group | Lima, Peru *MARCH 2021 – AUGUST 2021*

Operated as a full-time Tester for Telefónica Movistar - Peru (Client) under the Scrum agile methodology. Executed E2E tests, Integration tests, and automated tests using Selenium WebDriver, Postman, SoapUI, Android Studio, and Appium. Conducted stress tests utilizing JMeter, Postman, CURL, and REST Assured. **Key Technologies/Languages:** Java with Selenium.

Web Scraping & Data Acquisition (ES, EN) | Directorate of Research, Development and Innovation of Data Science Research Peru | Lima, Peru *NOVEMBER 2020 – MARCH 2021*

Contributed as a part-time specialist under the Kanban agile methodology. Engineered solutions for gathering data from government websites using BeautifulSoup4 and Selenium WebDriver. Managed relational database reconstruction (PostgreSQL, SQL Server) and ETL Operations. **Key Technologies/Languages:** Python with Selenium & BeautifulSoup.

Freelancer Full Stack Web DevOps (ES, EN, PT) | Peru *MAY 2019 – PRESENT*

Provides part-time freelance development and sysadmin services for small to medium enterprises. Develops solutions using JavaScript, Python, Bash, Ruby, PHP on Cloud platforms (AWS & GCloud) with Linux VMs. Manages web server setup, web page deployment, routing, and web hosting/domain configuration. **Key Technologies/Languages:** JavaScript, Python, Ruby, PHP, Bash.

Skills

Programming Languages & Frameworks: Java (Selenium, Appium, REST Assured, Maven), C# (Selenium), Python (Selenium, BeautifulSoup, Appium, Performance Testing), JavaScript (Playwright, Cypress, NodeJS), TypeScript, Ruby, PHP, Shell Scripting (Bash), C/C++ (Computational Geometry)

Testing Tools & Technologies: Selenium WebDriver, Cypress, Playwright, Appium, Karate, Robot Framework, Zephyr, Serenity, JMeter, Postman, SoapUI, BrowserStack, AllureTestOps, Dedalow (Proprietary Software - NTT Data Spain)

DevOps & CI/CD: Azure DevOps, Jenkins, CircleCI, Docker, Kubernetes, Unix Systems

Databases & Data: SQL, Database Migration, Web Scraping (BeautifulSoup), PostgreSQL, SQL Server, ETL Operations, JDBC

Cloud Platforms: Amazon Web Services (AWS), Google Cloud Platform (GCloud)

Methodologies & Other: Agile (Scrum, Kanban), API Testing, E2E Testing, Integration Testing, Performance Testing, QA Test Automation, Asynchronous Programming, Communication via LAN

Soft Skills: Analysis, Optimization, and Process Automation, Architecture Implementation, Continuous Learning, Efficient Communication, Critical Thinking, Team Leadership, Problem Solving, Attention to Detail

Academic Experience

Research Assistant | Universidad Nacional del Santa - Toxicology and Microbiology Lab | Ancash, Peru
AUGUST 2023 – PRESENT

Research Assistant on Applied Research Projects Program (PROCIENCIA): “Implementation and Analysis of Automation in the Carbonation Process of Craft Beer for Quality and Food Safety Development”. Responsible for the proper application of research and development methodologies, quality control, and automation orchestration.

Bachelor Thesis Researcher | Universidad Nacional de San Martín - Molecular Genetics and Biology Lab | San Martín, Peru
OCTOBER 2020 – MARCH 2021

Bachelor Thesis researcher and undergraduate student in Bioinformatics. Developed Thesis: “COMPUTATIONAL PHYLOGENETICS ALGORITHM FOR DNA SEQUENCES OF ARBUSCULAR MYCORRHIZAL FUNGI BASED ON VARIATIONAL AUTOENCODERS”.

Awards and Achievements

Top 10. 5th place in the order of merit, Class of 2020 - UNT. Academic Exchange. ICMC - USP, São Carlos SP - Brazil. Second Place. Datathon Entel 2021 - Computer Vision Category.

Certifications and Courses

Scrum Fundamentals Certified (SFC) - SCRUMstudy ISTQB Agile Tester Certification Training - Udemy ISTQB Certified Tester Foundation Level (CTFL) 2018 Training - Udemy QA Testing and Robot Framework, Basic Guide - Udemy NDG Linux Essentials - Cisco

Languages

Spanish - Native English - Advanced / C1 Portuguese - Advanced / C1

Research Topics Experience

Bioinformatics, Machine Learning, Statistical Learning Computational Optimization System Automation and Process Automation Autonomous Systems & Robot Systems Hardware Orchestration & Network Design