Jahir Medina, BSc.

Jahir Gilberth Medina Lopez
Trujillo, La Libertad, Perú
Computer Science / Informatics Engineering

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A results-driven Senior Software Developer Engineer in Test with a proven record of spearheading QA automation projects and contributing to high-caliber software in agile environments. I am highly proficient in building comprehensive E2E and integration tests using modern frameworks like Cypress and Playwright, alongside Selenium with C#, Java, and Python.

Work Experience

•**Senior Software Developer Engineer in Testing (EN)**   *JUNE 2024 – PRESENT*

Willis Tower Watson   Lima, Peru

– 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. *[Add a quantifiable achievement if possible, e.g., "Streamlined testing cycles by X%"]*
– **Key Technologies/Languages:** C# with Selenium, JavaScript with Playwright, Python with Selenium.

•**Senior Consultant Automation Tester Engineer (EN)**   *MARCH 2023 – MAY 2024*

Aurus Ti   Lima, Peru

– 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. *[Add a quantifiable achievement if possible, e.g., "Reduced post-deployment defects by Y%"]*
– **Key Technologies/Languages:** Java with Selenium & Appium, C# with Selenium, Python with Appium.

•**Automation Tester Engineer (EN)**   *JUNE 2023 – OCTOBER 2023*

Globant   Lima, Peru

– 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)**   *OCTOBER 2022 – FEBRUARY 2023*

Oktana   Lima, Peru

– 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 Lighting 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)**   *AUGUST 2021 – SEPTEMBER 2022*

NTT Data (Everis)   Trujillo, Peru

– 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, RestAssure & Appium, Python for Performance Testing, C# with Selenium.

- **QA Tester (ES)** *MARCH 2021 – AUGUST 2021*

  Delaware Group Lima, Peru
  - 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)** *NOVEMBER 2020 – MARCH 2021*

  Directorate of Research, Development and Innovation of Data Science Research Peru Lima, Peru
  - 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)** *MAY 2019 – PRESENT*

  Peru
  - 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

Education

- **Master's Degree, Big Data & Data Science** *October 2024 – December 2025 (Expected)*

  Universitat Internacional de Valencia Valencia, Spain

- **Bachelor of Computer Science, Informatics Engineering** *APRIL 2015 – DECEMBER 2020*

  National University of Trujillo Trujillo, Peru

- **Academic Exchange - 2 Semesters, Computer Science** *FEBRUARY 2018 – JANUARY 2019*

  Universidade de São Paulo - ICMC São Paulo, Brazil

Academic Experience

- **Research Assistant** *AUGUST 2023 – PRESENT*

  Universidad Nacional del Santa - Toxicology and Microbiology Lab Ancash, Peru
  - 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** *OCTOBER 2020 – MARCH 2021*

  Universidad Nacional de San Martín - Molecular Genetics and Biology Lab San Martin, Peru
  - Bachelor Thesis researcher and undergraduate student in Bioinformatics.
  - Developed Thesis: "COMPUTATIONAL PHYLOGENETICS ALGORITHM FOR DNA SEQUENCES OF ARBUSCULAR MYCORRHIZAL FUNGI BASED ON VARIATIONAL AUTOENCODERS".

Research Topics Experience

- Bioinformatics, Machine Learning, Statistical Learning

- Computational Optimization
- System Automation and Process Automation
- Autonomous Systems & Robot Systems
- Hardware Orchestration & Network Design

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