

# Jahir Gilberth Medina Lopez, BSc.

Trujillo, La Libertad, Perú

Computer Science / Informatics Engineering

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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

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

## Work Experience

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|---|-------------------------------------|
| • <b>Senior Software Developer Engineer in Testing (EN)</b>   | <i>JUNE 2024 – PRESENT</i>          |
| <i>Willis Tower Watson</i>  | Lima, Peru                          |
| <ul style="list-style-type: none"><li>– Serves as a full-time Tester for WTW - Extend Health, USA (Client), operating under the Scrum agile methodology.</li><li>– 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.</li><li>– 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></li><li>– <b>Key Technologies/Languages:</b> C# with Selenium, JavaScript with Playwright, Python with Selenium.</li></ul>  |                                     |
| • <b>Senior Consultant Automation Tester Engineer (EN)</b>  | <i>MARCH 2023 – MAY 2024</i>        |
| <i>Aurus Ti</i>   | Lima, Peru                          |
| <ul style="list-style-type: none"><li>– Operated as a contract Tester for Hastings Deerings - CAT, Australia (Client), adhering to the Scrum agile methodology.</li><li>– 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.</li><li>– 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></li><li>– <b>Key Technologies/Languages:</b> Java with Selenium &amp; Appium, C# with Selenium, Python with Appium.</li></ul> |                                     |
| • <b>Automation Tester Engineer (EN)</b>  | <i>JUNE 2023 – OCTOBER 2023</i>     |
| <i>Globant</i>  | Lima, Peru                          |
| <ul style="list-style-type: none"><li>– Functioned as a Contractor QA Automation Tester for PWC - USA (Client) within a Scrum agile framework.</li><li>– 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.</li><li>– Pioneered the creation, enhancement, and deployment of a Proof of Concept for the “Tax &amp; Accounting Management Service” web platform.</li><li>– <b>Key Technologies/Languages:</b> JavaScript with Playwright &amp; Cypress.</li></ul>  |                                     |
| • <b>Automation Tester Engineer (EN)</b>  | <i>OCTOBER 2022 – FEBRUARY 2023</i> |
| <i>Oktana</i>   | Lima, Peru                          |
| <ul style="list-style-type: none"><li>– Engaged as a full-time Tester for Slack / Salesforce - North America (Client) under the Scrum agile methodology (NDA).</li></ul>  |                                     |

- 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)** 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, RestAssured & 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

## 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 Martín, 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”.

## Awards and Achievements

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- 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

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- 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

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

## Research Topics Experience

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