



CAREER PROFILE

I am a versatile and results-driven Software Developer with a strong background in software engineering, QA automation, and project management. My expertise spans multiple programming languages, automation tools, and data analysis frameworks, with a focus on delivering innovative, efficient, and scalable solutions. I thrive in environments that challenge me to improve system reliability, streamline workflows, and leverage AI technologies for impactful results.

You can [download this free resume/CV template here](#).



EXPERIENCES

OCT 2024 - JAN 2024

TECHNICAL LEAD - STURGEON COUNTY PROJECT

STOIC FINCH

Successfully led a **cross-functional team** of developers, analysts, and stakeholders to deliver a robust and innovative **Power Apps solution** tailored for Sturgeon County's unique operational needs.

- **Architected and implemented** essential core functionalities, including **task management**, **case handling**, and **role-based access control**, which significantly enhanced operational efficiency and user experience across departments.
- Developed and optimized **backend automation workflows** using **Power Automate**, which streamlined critical processes such as **case creation**, **task assignments**, and **resolution tracking**.
- Seamlessly integrated **SharePoint** for centralized document management, ensuring secure, efficient handling of attachments and case records while facilitating easy access and collaboration among team members.
- Collaborated closely with a **UI/UX developer** to enhance the application's design, resulting in an intuitive, visually appealing user interface that improved user engagement and satisfaction.

AUG 2023 - FEB 2024

QUALITY ENGINEER II - PROFESSIONAL DEVELOPMENT

MENTORMATE

Engaged in a comprehensive **professional development program**, significantly enhancing expertise in **QA methodologies**, **compliance standards**, and **automation techniques**.

- Participated in various **training programs** and **workshops**, achieving proficiency in advanced tools and technologies including **Postman**, **Charles Proxy**, **MongoDB**, and **TestRail**.
- Actively collaborated with **global teams** across **Paraguay**, **USA**, and **Bulgaria**, improving cross-functional and cross-cultural collaboration skills while fostering a unified team environment.
- Assisted in the training of **bootcamps** focused on **API Testing** using **Postman**, contributing to the skill development of new team members.
- Played a key role in the development of automated QA processes utilizing **Generative AI**, which streamlined test case generation and significantly enhanced test coverage for complex healthcare workflows.
- Mentored junior QA engineers on **automation best practices** and **quality assurance methodologies**, fostering a collaborative learning environment and making substantial contributions to the professional growth of the team.
- **Initiated and led** a project to **automate the conversion of JSON data to XLSX format**, improving **data handling efficiency** and **accuracy** for **client therapy data management**.

AUG 2023 - PRESENT

QUALITY SPECIALIST II - FLYTE PROJECT

MENTORMATE

Oversaw **quality assurance** for the **Flyte Project**, focusing on a **website**, a **mobile application**, and an **FDA-cleared device** to improve women's pelvic health.

- Collaborated with **developers** and **project managers** to ensure seamless integration of new features, maintaining high-quality user experiences.
- Managed detailed **documentation efforts** to ensure compliance with industry standards and facilitated effective team and stakeholder communication.
- Developed **test plans** and **strategies** that ensured product reliability.
- Engaged in **regular team meetings** to discuss project progress, address challenges, and align on goals, fostering a collaborative work environment.
- Participated in **risk assessment** activities to identify potential project risks and develop mitigation strategies, enhancing project resilience.
- Contributed to the development of **training materials** for end-users, ensuring a smooth transition and adoption of new features.
- Maintained up-to-date knowledge of industry trends and emerging technologies, applying insights to improve testing processes and product quality.
- Developed and executed test cases using **Postman** to ensure seamless API interactions between the mobile app and backend services.
- Generated test data in **MongoDB** to simulate various patient scenarios, enhancing the robustness of the testing process.



Ivan Weiss Van Der Pol

Data Engineer | AI Enthusiast | Python Developer

✉ weissvanderpol.ivan@gmail.com

☎ +595 0981324569

🗺 Paraguayan and Dutch

🕒 America/Asuncion Timezone

🌐 <https://ivanweissvanderpol.github.io/>

🌐 ivanweissvanderpol

🌐 ivanweissvanderpol



Resume PDF

LANGUAGES

Spanish (Native)

English (Fluent)

Dutch (Fluent)

Skills & Proficiency

Python Development

Python Pandas Selenium PySpark

NumPy Matplotlib

QA Automation

Selenium WebDriver Hexawise QTest

Test Automation BDD (Cucumber)

Applitools Cypress WebdriverIO

Data Engineering

Databricks Apache Spark Spark SQL

Azure DevOps Data Pipelines ETL

Big Data

Software Development

Python Java Git RESTful APIs

Postman API Automation Jenkins

CI/CD Azure DevOps

Web Technologies

- Tested a **mobile application** that connects via **Bluetooth** with a wand, as well as a **website** for physicians to keep track of patient progress.

OCT 2018 - DEC 2022

QA ENGINEER AND SOFTWARE DEVELOPER

WPG.SRL

Performed comprehensive **manual and automated testing**, ensuring all new software features met quality standards before release.

- Actively participated in multiple stages of the **software development lifecycle**, driving enhancements in system architecture and functionality through creative and effective solutions.
- Created and updated essential **documentation** for testing protocols and software features, greatly facilitating future maintenance and upgrades.
- **Automation Development:** Developed robust **Python tools** to optimize test data generation, streamline XML processing, and automate report generation, significantly minimizing manual effort and boosting overall efficiency.



EDUCATION

2018 - PRESENT

BACHELOR'S DEGREE IN COMPUTER SCIENCE

FACULTAD POLITÉCNICA DE LA UNIVERSIDAD NACIONAL DE ASUNCIÓN (FP-UNA)

Comprehensive program focused on both theoretical foundations and practical applications in computer science, covering a wide range of subjects from algorithms to systems design.

- Specialized in **Software Engineering, Machine Learning, Data Security, and Database Systems**, with practical projects in automation and AI development.
- Achieved **top placements in national programming competitions**, including the **Paraguay National Programming Competition (2022)** and **ETYC Programming Competition (2019)**.
- Developed leadership and communication skills by participating in student councils, mentoring peers, and organizing university-level tech events.
- Key courses: **Algorithms & Data Structures, Operating Systems, Web Development, Compiler Design, and Network Security.**

JAN 2023 - MAY 2023

STUDY ABROAD PROGRAM IN COMPUTER SCIENCE

WICHITA STATE UNIVERSITY, KANSAS, USA

Selected for an international exchange program to broaden technical knowledge and gain exposure to global perspectives in computer science and project management.

- Focused on **Negotiation, Strategic Marketing, Entrepreneurship, and Technical Communication**, integrating business strategy with software development.
- Led the development of "*Botanic Buddy*," an **AI-powered reforestation rover**, presented at an entrepreneurship competition, focusing on environmental sustainability through automation.
- Enhanced **English proficiency** and cross-cultural communication skills by collaborating with students and faculty from diverse backgrounds.
- Broadened professional and cultural horizons by traveling across key tech hubs, including **San Francisco, Los Angeles, Kansas, and Colorado**, engaging with cutting-edge innovations.
- Strengthened interdisciplinary collaboration skills through team-based projects that combined software engineering, business, and environmental science.



CERTIFICATIONS

2022

ISTQB FOUNDATION LEVEL CERTIFICATION

International Software Testing Qualifications Board (ISTQB)

Achieved an **industry-recognized certification** in core software testing principles, covering **test design techniques, execution strategies, and reporting methodologies**. This certification highlights **proficiency in both manual and automated testing**, ensuring software quality through **structured processes and best practices**.

2023

NASA GALACTIC PROBLEM SOLVER

NASA International Space Apps Challenge

Awarded the **Galactic Problem Solver** title at the **NASA International Space Apps Challenge 2023** for pioneering solutions utilizing **AI and automation**. Recognized for addressing **complex challenges** in space exploration through **innovative technological applications**, contributing to NASA's **global open innovation initiatives**.

2021

ADVANCED ENGLISH PROFICIENCY (BECAL SCHOLARSHIP RECIPIENT)

BECAL Scholarship Program

Awarded the **prestigious BECAL Scholarship**, a **merit-based program** funded by the **Paraguayan government**, to pursue **advanced English studies**. This scholarship provided an opportunity to enhance my **professional communication skills** and strengthen **global collaboration abilities**. As part

HTML5 CSS3 JavaScript

Responsive Design Web Development

Bootstrap

Database Management

MongoDB SQL Database Design

Query Optimization Databricks

Relational Databases Azure Data Lake

Apache Spark PySpark

AI & Automation Tools

Prompt Engineering Automation Scripts

AI Agents OpenAI

Project Management & DevOps

JIRA CI/CD Practices Agile Methodologies

Scrum Kanban Version Control

DevOps Tools

of the program, I attended **Wichita State University** in the USA, further refining my **language proficiency** and participating in **academic initiatives** that broadened my **international perspective**.

2022

TAU TEST AUTOMATION CERTIFICATIONS

Test Automation University

Comprehensive training in modern test automation techniques, frameworks, and best practices:

- **Test Automation University Foundations:** Core principles and methodologies in test automation.
- **Python Programming for Automation:** Leveraging Python for automating web and API testing.
- **Java Programming for Automation:** Leveraging Java for automating web and API testing.
- **JavaScript Test Automation with WebdriverIO:** Automating browser tasks using JavaScript and WebdriverIO.
- **Introduction to Cypress:** End-to-end testing for modern web applications using Cypress.
- **Continuous Integration with Jenkins:** Implementing CI/CD pipelines to streamline automated testing.
- **API Testing with Postman:** Automating RESTful API testing using Postman.
- **Behavior-Driven Development (BDD) with Cucumber:** Integrating BDD practices into test automation.
- **Web Element Locator Strategies:** Advanced techniques for locating dynamic web elements efficiently.
- **Selenium WebDriver with Java:** Building robust browser-based automation tests using Java.
- **Advanced Selenium Techniques:** Mastering complex automation scenarios with Selenium.
- **AI in Test Automation:** Exploring how AI enhances test automation strategies.
- **Visual Validation Testing with Applitools:** Implementing visual testing techniques for UI consistency.



RECOMMENDATIONS

Ivan demonstrates a proactive approach to problem-solving, preferring to tackle challenges independently while actively incorporating AI tools to enhance workflow efficiency. He shows enthusiasm in training sessions and coding, strives for knowledge, and is always willing to assist his team, including creating helpful scripts. For his level, he excels technically and is unafraid to use generative AI, which has also helped me learn new techniques for my day-to-day testing.

MONIKA KOYKOVA

Senior Quality Assurance Lead at MentorMate

I think Ivan is INCREDIBLY smart and talented. He thinks things through, has some automation and electrical/mechanical skills, and can analyze things well. I really enjoyed working with Ivan. As part of the Pelvital project team, he has demonstrated that he is really attentive to details, willing to help and support team members, always positive and polite, and has never been late to meetings. Yesterday, we had a conversation about a Jira ticket to be created, and Ivan sent me so much detailed and structured information about this case that creating a story would not be a problem at all. Ivan has a teamwork mindset.

SARAH JOHNSON

Business Analyst at MentorMate

He worked with his tickets quickly and efficiently. He always maintained direct, fluid, and cordial communication with the author of the ticket. Ivan has a never-ending amount of energy and desire to learn and improve. When he finds a task interesting, he can go above and beyond to deliver. He is a techie with a preference for all back-end related things, and if there is a chance Python or anything related to automation can be used, he is on it, and you know he will deliver.

HUGO MEDINA

Software Development Engineer at MentorMate

In the project, Ivan took the initiative to help with the testing of the controller data, which wasn't an easy task to do. He had a lot of insights about that and helped the team a lot.

KALINA PETROVA

