



Juan Manuel Young Hoyos

CYBERSECURITY ANALYST • PROBLEM SOLVER

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Skills

- Technical** Python, Dart, C#, LaTeX, Rust, Linux, Flutter, React, AWS, Docker
Languages Spanish, English

Experience

Alico Defensores Informáticos

RED TEAMER

- Pentesting websites.
- Pentesting tooling development (Rust and Nim).
- Phishing campaigns developed.

In person, Colombia

Aug. 2022 - Oct. 2022

GETA Club Play

CYBER SECURITY ANALYST

- I used the DAST capabilities of OWASP ZAP to automatically review the company's web applications.
- I used SonarQube's SAST capabilities to automatically review the company's code.
- I developed an "economic" DevSecOps pipeline to avoid possible common vulnerabilities.
- I worked closely with the AI team to sanitize requests made by users and avoid SQL injections.
- With some limited resources I Worked closely with IT to implement a good password policy (KeePass).
- I Worked closely with IT to implement backup policies for employee files and repositories.
- I was given an external pentesting report with about 800 vulnerabilities in our projects, and I reduced that number to less than 390 (i.e. fixed about 50% of vulnerabilities) in a span of 4 months.
- I simulated and implemented reverse engineering attacks on some project APKs in order to address, together with the development team, a possible way to mitigate the possibility of a Hacker obtaining useful or critical information about our core business.
- Together with the IT team, I developed a Security Plan based on the ISO/27001 standard.
- I managed the Office 365 Admin console to control the licenses and Microsoft accounts.
- I implemented hardening for some of our infrastructure processes.
- I worked alongside the IA team to develop a part of the SOC (Security Operations Center) that can deliver value to our technical and non-technical employees.

Remote, Colombia

Oct. 2021 - Jun. 2022

GETA Club Play

CYBER SECURITY TRAINEE

- I did a Cyber security planning for 4 months to 3 company's products.
- I found and reported common OWASP based vulnerabilities.
- I worked along with the development team to fix the vulnerabilities found.

Remote, Colombia

Aug. 2021 - Sep. 2021

GETA Club Play

SOFTWARE QUALITY ASSURANCE TESTER

- I captured 100+ bugs within the span of 4 months while conducting quality assurance testing on 7 company products thereby increasing the acceptance criteria of the top-rung corporate "chiefs".
- I document and record analyzed bugs for quality assurance every week.
- I worked closely on 3 projects with development team to write test plans for quality assurance.
- I performed more than 15% testing through automation and remaining testing manually using Selenium.
- I led a 4-member team in providing quality assurance on 3 projects closely with development team.
- I refactored and retrofitted legacy a C++ WebAssembly application, improving code quality by 45%.
- I completed more than 20 "Desk Checks" to reduce on 25% the amount of Pull Request and therefore save the Tech Lead's time.
- I helped to document 2 Unity 3D projects and also checked a documentation of an Angular/.Net Core project.
- I did functional, online, manual, usability and stress tests.

Remote, Colombia

Feb. 2021 - Aug. 2021

Extracurricular Activities

CivicaPay Hackathon 2022

PARTICIPANT

- **First place** achieved among more than 52 teams and 16 universities in Medellín in the Hackathon CivicaPay of 2022.
- The solution was made with **Flutter**, **Python 3** and **Docker**.

Medellín

Mar. 2022 - Mar. 2022

HackTheBox

YOUNGERMASTER - HACKER

- 3rd place in Colombia's HackTheBox Ranking.

Worldwide

Dec. 2021 - Present (Jan. 2023)

Developer

CHROME WEB STORE

- I published an extension to remove the Platzi's academy comments.

Worldwide

Jan. 2022 - Jan. 2022

Mobile developer

GOOGLE PLAY STORE

- **Accelerometer** - An app with more than 100 downloads using Flutter to obtain the data from your accelerometer in a time 'x', with time intervals 'y' in milliseconds and send the information wherever you want (Email, WhatsApp, etc.), and store that information in a txt file on your phone to be used in another scenarios.
- **Anthropometric Evaluator** - An application using Flutter that provides information and evaluates some of the parts of your body with certain measurements to provide a more complete analysis than the common BMI, for people who go to the gym.

Worldwide

Nov. 2019 - Apr. 2020

GitHub

GITHUB CONTRIBUTOR

- +1800 total contributions.
- +140 public repositories.

Worldwide

Feb. 2018 - Present (Jan. 2023)

Education

EAFIT University

Medellín, Colombia

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Jan. 2018 - Jun. 2024

- Full scholarship called "Ser Pilo Paga" for high school students from 2017 who obtained an outstanding grade in the national standardized test.