Juan Manuel **Young Hoyos**

FULL STACK DEVELOPER · PROBLEM SOLVER · DEVOPS ENGINEER

Medellín, Colombia

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Skills

Technical Python (Proficient), Linux (Proficient), React (Proficient), React Native (Proficient), Redux (Good), Docker (Good), AWS (Good)

Languages Spanish, English

Experience

Grisú   *Self-employed, Colombia*

FULL STACK DEVELOPER   *Jul. 2023 - Present (Sep. 2023)*

- Engineered the company's landing page using **React**, boosting the site's traffic by 150%.
- Designed and deployed a **React Native** App, Yak Bak 90's toy simulator.
- Serving as an auditor and developer to 'EcoDrive', using **React Native** and **Python Fast API**, reducing a 4-month timeline to weeks.
- Offered the services of architectural design for Industrias Falcon Colombia
- Designed and implemented an architecture to GameConnect
- Offered the services of **DevOps** pipeline implementation to GameConnect
- Actively driving the development of an engaging Hyper-Casual game using Unreal Engine.

ArcDesign   *Part-time, Spain*

FULL STACK DEVELOPER   *Jul. 2023 - Present (Sep. 2023)*

- Innovated an advanced algorithm using hashmaps, MQTT and geohashes, enhancing the application's performance by 70%.
- Integrated the algorithm in a **React Native** environment, improving mobile app performance. (https://hiwayapp.io)
- Led the deployment of several static websites on **AWS** and Hostinger using **React**. (https://arcdesign.io)

Design Systems Inno   *Contract, Colombia*

PROBLEM SOLVER   *Jan. 2023 - Jun. 2023*

- Architected a system for internal APIs, using RabbitMQ for asynchronous task management. Clients receive ID tickets for tracking while the backend efficiently handles web scraping and parsing, ensuring timely user feedback.
- Developed internal APIs to automate some internal processes using Go Fiber, Python Fast API, and MongoDB.
- Created web scraping tools and custom HTML parsers in Python using Playwright and Beautiful Soup.
- Paired with partners to fix critical bugs, ensuring on-time software deliveries and maintaining high quality.
- Developed an automation script in Python for efficient contract signing.
- Developed various administration panels using React (Redux + Saga).
- Optimized project builds for some React web applications, reducing build sizes from 3.46 MB to around 886 KB and in some others even a little bit more.
- I Assisted in improving the quality and speed of Dockerfiles for React and Angular web applications.

Design Systems Inno   *Contract, Colombia*

SECURITY CONSULTANT   *Dec. 2022*

- Developed an external penetration testing engagement for a week and a half.
- Documented the findings in the software and part of the infrastructure.
- Documented some advices to improve the software and infrastructure quality

Aligo Defensores Informáticos   *In person, Colombia*

RED TEAMER   *Aug. 2022 - Oct. 2022*

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

GETA Club Play
Cyber Security Analyst

Remote, Colombia
Oct. 2021 - Jun. 2022

- 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 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.

GETA Club Play
Cyber Security Trainee

Remote, Colombia
Aug. 2021 - Sep. 2021

- 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.

GETA Club Play
Software Quality Assurance Tester

Remote, Colombia
Feb. 2021 - Aug. 2021

- 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 performed more than 15% testing through automation and remaining testing manually using Selenium.
- 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.

Extracurricular Activities

CivicaPay Hackathon 2022
Participant

Medellín
Mar. 2022 - Mar. 2022

- **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**.

HackTheBox
Youngermaster - Hacker

Worldwide
Dec. 2021 - Dec. 2022

- 3rd place in Colombia's HackTheBox Ranking.

Developer
Chrome Web Store

Worldwide
Jan. 2022 - Jan. 2022

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

Mobile developer
Google Play Store

Worldwide
Nov. 2019 - Apr. 2020

- **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.

Education

EAFIT University
B.S. in Computer Science and Engineering

Medellín, Colombia
Jan. 2018 - Dec. 2024

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