

Ivan Arias

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Cybersecurity Specialist | Web Developer | Cloud Enthusiast

Graduated with cybersecurity and web development certifications, specializing in cloud infrastructure, containerization, and full-stack development. Proficient in security tools such as Metasploit and Burp Suite, web frameworks like React and Flask, and cloud services including AWS, Terraform, and Docker. Eager to apply experience in ethical hacking, system hardening, and application security to secure critical systems and infrastructure as a Cybersecurity Specialist.

TECHNICAL SKILLS

- **Security Tools:** Metasploit, Burp Suite
- **Networking:** Ubuntu
- **Operating Systems:** Linux, Windows
- **Programming:** Python, Javascript, SQL
- **Frameworks:** React, Flask
- **Development Tools:** SQLAlchemy, Bootstrap
- **Cloud Tools:** Boto3, CDK, Cloud Formation, Firebase
- **IaC & Containers:** Terraform, Dockers, Kubernetes

Certifications:

CompTIA Network+ (In Progress - Expected: March 2025)

TECHNICAL PROJECTS

Fullstack Academy Capstone - Hacking Mr. Robot - [Github](#) | [Live Report](#) | [Demo](#)

Link: <https://hcoco1.github.io/Career-Simulation-4/>

- Provides a methodology for ethical hacking and securing systems.
- Target a Vulnerable WordPress site, a virtual machine called Mr. Robot.
- Key Technologies: Nmap, Gobuster, Nikto, Python script, Hydra, and Metasploit

Student Performance Dashboard - [Github](#) | [Live App](#) | [Demo](#) | [Blog Post](#)

Link: <https://hcoco1.pythonanywhere.com> (Username: **hcoco1**, password: **pythonpython**)

- This project creates an interactive dashboard to visualize and analyze high school students' grades over time.
- The dashboard is built using Python, Flask, Dash, and Plotly, with Bootstrap for styling.

Python Technical Assessment - [Github](#) | [Live Report](#)

Link: <https://hcoco1.github.io/Python-Assessment/>

- This assessment uses Python and regular expression (REGEX) to search and filter data from Apache logs.

Audits Tool - [Github](#) | [Live App](#) | [Blog Post](#)

Link: <https://www.audits.hcoco1.com/signin>

- The Audits Tool is a React-based application designed to enhance the efficiency of audit data management. It offers a user-friendly interface for storing and managing audit details, such as usernames, process paths, and audit descriptions. This information is saved in a Firebase database and can be easily viewed or deleted.

Terraform Lab - [Gitlab](#) | [Demo](#)

- This project deploys an AWS EC2 instance, installs Docker, and pulls an NGINX image using Terraform.
- Technologies: AWS Services, Docker, Nginx.

EXPERIENCE

Fulfillment Associate | Amazon | Orlando, FL

Nov 2020 – Present

- **Safety Protocols:** Established safety protocols, reducing workplace accidents and ensuring a safer work environment.
- **Efficiency:** Scanned, inspected, and sorted over 2000 packages daily, maintaining over 90% accuracy to ensure timely deliveries.
- **ICQA:** Conduct audits on employee performance, identifying errors, and providing feedback. Teach associates to follow Standard Operating Procedures.

Landscaper | Self-Employed | Orlando, FL

Oct 2019 – Nov 2020

- **Customer Satisfaction:** Delivered high-quality landscaping services to 20+ clients, resulting in a 100% client satisfaction rate.
- **Time Management:** Efficiently completed landscaping projects ahead of schedule, reducing project timelines by 15%.
- **Maintenance and Operations:** Maintained tools and equipment to ensure a high standard of service, increasing job efficiency.

Sedimentologist & Stratigrapher | PDVSA | Barcelona, Venezuela

Jan 2005 – Jan 2019

- **Geostatistical Modeling:** Conducted geostatistical modeling and GIS-based thematic mapping, improving project accuracy.
- **Hydrocarbon Prediction:** Analyzed sedimentary rocks, improving model predictions of hydrocarbon reservoirs by 30%.
- **Cross-functional Collaboration:** Worked closely with geophysicists and engineers to develop accurate geological models, speeding up project completion by 10%.

EDUCATION

Cloud Mastery Bootcamp

Jan 2024 - Nov 2024

Powered by Digital Cloud Training

- Certified Kubernetes Administrator (CKA) – Kubernetes as a container orchestration tool.
- IaC with Terraform – Focused on Infrastructure as Code and scaling AWS resources using Terraform.
- Python and DevOps – Covered DevOps methodologies and automation using Python in AWS environments.
- AWS Solutions Architecture – Designed around core AWS services and architectural best practices for AWS.
- Cloud Foundations and Linux – Provided a solid understanding of cloud concepts, Linux commands, and AWS.

Cybersecurity Bootcamp

Jan 2024- July 2024

Powered by Fullstack Academy

- Part-time program covering advanced Red Team/Blue Team skills.
- Red Team: Web exploitation, social engineering, Metasploit, privilege escalation, lateral movement.
- Blue Team: System hardening, log analysis, Splunk, digital forensics.
- Emphasis on Python for automation and Windows/Linux system administration.

Full Stack Engineering

Jan 2023 - Oct 2023

Powered by Flatiron School

- Part-time program focused on building full-stack web applications.
- Curriculum emphasized:
 - Python with Flask for the back end.
 - React for the front end.
 - SQL and SQLAlchemy for database management.
- Participants gained hands-on experience creating robust, scalable web applications by integrating these technologies.