Ivan Arias

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[LinkedIn](#) | [GitHub](#) | [Portfolio/Website](#) | [Pitch](#)

Cybersecurity Specialist | Web Developer | IaC Enthusiast

Certified in web development and cybersecurity, with a strong foundation in secure application development. Currently expanding my knowledge of AWS services, Terraform, Docker, and Kubernetes. Seeking my first role in cybersecurity, where I can apply my skills in web development and security practices while continuing to grow in cloud infrastructure and containerization. Known for strong interpersonal and team-building skills, I am eager to join an innovative team focused on creating secure, cutting-edge software solutions that enhance business productivity and security.

TECHNICAL SKILLS

Security Tools: Metasploit, Snort, Burp Suite | **Networking**: Ubuntu Networking | **Operating Systems**: Linux, Windows | **Programming Language**s: HTML, Python, Javascript, SQL | **Frameworks:** React, Flask | **Development Tools**: React Router, SqlAlchemy, Bootstrap | **Cloud Tools**: Boto3, CDK, EB, Cloud Formation, Firebase | **IaC & Containers:** Terraform, Dockers, Kubernetes.

Certifications:
AWS Certified Cloud Practitioner Certification (In Progress - Expected: Nov 2022)

LATEST TECHNICAL PROJECTS

Interview Preparation Hub - [Github](#) | [Live Hub](#)
- This project created a static blog site using Jekyll to provide guides on hard and soft skills for cybersecurity and web development job interviews.

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.

Fullstack Academy Capstone - Hacking Mr. Robot - [Github](#) | [Live Report](#) | [Demo](#)
- 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](#)
This project creates an interactive dashboard to visualize and analyze the grades of high school students over time.
- The dashboard is built using Python, Flask, Dash, and Plotly, with Bootstrap for styling.
- Deployed at pythonanywhere.com (Username:hcoco1, password: pythonpython)
- Docker image: [hcoco1/dashcoco1-flask](#)

Fullstack Academy - Career Simulation 3 - [Github](#) | [Live Report](#)
- This report shows a penetration testing assessment.
- The targets are four hosts in a private LAN that contain several vulnerabilities.
- Tools: Lateral movement , SQL Injection, Privileges Escalation, Decryption, and Reverse Shell

Fullstack Academy - Python Technical Assessment - [Github](#) | [Live Report](#)
- This assessment uses python and regular expression (REGEX) to search and filter data from Apache logs.

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

Fullstack Academy - Career Simulation 1 - [Github](#) | [Live Report](#)
- This report details the steps undertaken to identify and resolve an access issue within a Splunk system, specifically targeting a misconfiguration in the config.conf file.

ADDITIONAL TRAINING

- **IaC with Terraform** *– Focused on Infrastructure as Code, automation, 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.*

EXPERIENCE

Fulfillment Associate | Amazon | Orlando, FL **Nov 2020 – Present**
- Safety Protocols: Established safety protocols, reducing workplace accidents by 15%, ensuring a safer work environment.
- Efficiency: Scanned, inspected, and sorted over 700 packages per day, maintaining 99% accuracy to ensure timely deliveries.
- Process Improvement: Identified performance shortcomings, resulting in a 20% increase in production in the packing-flow department.

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

Fullstack Academy | Cybersecurity Analytics Bootcamp **Jan 2024- July 2024**
Part-time immersive cybersecurity program designed to train in advanced red team/blue team skills and use of security tools.

Flatiron School | Web Development Program **Jan 2023 - Oct 2023**
Full-time immersive program designed to create Full Stack Web Applications, using Python with Flask and JavaScript.

Central University of Venezuela | Geological Engineering degree **Jan 1999 - Dec 2004**
Full-time program offering courses in both geology and engineering.

Cyber Bootcamp – Full Stack Academy

The bootcamp provided comprehensive training in offensive (Red Team) and defensive (Blue Team) cybersecurity strategies. Participants learned Red Team skills like web vulnerability exploitation, social engineering, and Metasploit usage, along with privilege escalation and lateral movement techniques. Blue Team training focused on system hardening, log analysis, Splunk visualizations, and digital forensics to mitigate security incidents.

Additionally, the program emphasized Python programming for automating tasks and system administration in both Windows and Linux environments. The bootcamp equipped participants with the skills to address real-world cybersecurity challenges effectively.

Flatiron School – Web Development Program

A full-time immersive program focused on building Full Stack web applications. The curriculum emphasized Python with Flask for the back-end and React for the front-end, along with SQL and SQLAlchemy for database management. Participants gained hands-on experience in creating robust, scalable web applications by integrating these technologies.