# Ivan Arias

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## Aspiring DevOps Engineer | Hands-On Internship at KubeCraft

Graduated with cybersecurity and web development certifications, specializing in cloud infrastructure, containerization, and full-stack development.

## 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

## 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

**DevOps Assistant – KubeCraft | online, Netherlands**                                          **Jun 2025 – Present**
Actively participating in KubeCraft's hands-on DevOps internship program, focused on building production-ready skills through real-world labs, coaching, and project execution. Current focus includes:
- Linux system administration
- Kubernetes fundamentals and homelab deployment
- CI/CD pipelines (GitHub Actions, Azure DevOps)
- Infrastructure as Code (Terraform)
- Monitoring and Observability basics
- Personal branding and job search strategy
Completing projects and challenges with feedback from senior engineers. Building a public portfolio and preparing for job interviews through structured learning and mentorship at KubeCraft

**Fulfillment Associate | Amazon | Orlando, FL**                                      **Nov 2020 – Jun 2025**
- **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

**KubeCraft's hands-on DevOps internship**                                      **Jun 2025 - Present**
**Powered by  KubeCraft**
- Actively participating in KubeCraft's hands-on DevOps internship program, focused on building production-ready skills through real-world labs, coaching, and project execution.
- Completing projects and challenges with feedback from senior engineers. Building a public portfolio and preparing for job interviews through structured learning and mentorship.

**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**
**Powered by Fullstack Academy**                                                **Jan 2024- July 2024**
- 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**
**Powered by  Flatiron School**                                                 **Jan 2023 - Oct 2023**
- 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.