

# ÁLVARO MARÇAL DE ARAUJO

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## OBJECTIVE

Network Engineering student with strong hands-on experience in automation, NetDevOps, and Infrastructure as Code (IaC). Proven ability in developing CI/CD pipelines with Ansible to optimize network infrastructure, enhance security, and drastically reduce deployment times. Seeking an opportunity to apply my skills in network automation, cloud environments, and systems administration, contributing with innovative and efficient solutions to the team.

## EDUCATION

**Bachelor of Engineering in Network and Communications Engineering** Mar 2020 – Dec 2026 (Expected)  
*University of Brasília (UnB)*, Brasília, DF, Brazil

## PROFESSIONAL EXPERIENCE

**Network Engineering / DevOps Intern** Apr 2025 – Present  
*HEILIGER TECNOLOGIA E SOFTWARE LTDA*, Brasília, DF, Brazil

- Led the design and implementation of a CI/CD automation pipeline with Ansible for the WSO2 Micro Integrator, applying Infrastructure as Code (IaC) principles.
- Reduced the deployment time for new API versions from hours to approximately 5 minutes, and the setup of new environments from 4 hours to 10 minutes.
- Automated the configuration of network components, including Virtual Private Clouds (VPCs), firewalls, VPNs, and monitoring services.
- Eliminated manual processes, resulting in a significant reduction of human errors and configuration drift.
- Strengthened infrastructure security by minimizing the need for manual server access (SSH) and centrally managing credentials with Ansible Vault.
- Gained practical experience in NetDevOps, network topology design, and monitoring in a corporate environment.

**Teaching Assistant in Network Fundamentals** Mar 2024 – Aug 2024  
*University of Brasília (UnB)*, Brasília, DF, Brazil

- Created exercises focused on the practical learning of communication network fundamentals.
- Conducted tutoring sessions to assist students with questions and understanding of the subject matter.
- Developed skills in time management, communication, and teamwork.

## TECHNICAL SKILLS

**Automation DevOps:** Ansible, Python, Infrastructure as Code (IaC), CI/CD, Git, GitLab, JFrog Artifactory.

### Networking:

- **Protocols:** TCP/IP, UDP, HTTP, DHCP, DNS, NAT, OSPF, BGP, RIP.
- **Configuration:** Routers and Switches, VLANs, STP, HSRP, VRRP, QoS.
- **Infrastructure:** Structured Cabling, Site Survey, Wired/Wireless Networks.

### Cloud Systems Administration:

- **Operating Systems:** Linux and Windows Server.

- **Cloud:** Planning and implementation of Virtual Private Clouds (VPCs).

**Network Security:** Encryption, Authentication, Access Control, Firewalls, VPNs.

#### **Software Development:**

- **Languages:** Python, C++, JavaScript.
- **Web:** HTML, CSS, React, Node.js, REST APIs.
- **Databases:** MySQL.

**Tools Methodologies:** Wireshark, UML (Astah), Agile Methodologies (Scrum, Kanban).

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#### CERTIFICATIONS LANGUAGES

**Python 3 Course from Basic to Advanced with Real Projects - Udemy.**

**Portuguese:** Native.

**English:** Advanced Fluency (comprehension and conversation).