

David Bracho

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Summary

- Dynamic and adaptable IT professional with over 15 years of experience in system administration, DevOps, and hardware management.
- Proven expertise in Linux environments, automation, and network configuration, with a strong command of modern DevOps tools including Grafana, Prometheus, Ansible, Docker, Kubernetes, and Terraform.
- Committed to delivering efficient, scalable, and high-quality solutions as a collaborative team player.

Skills

- **Operating Systems:** Windows/Linux (Gentoo, Arch, Debian, Ubuntu)
- **Programming & Scripting:** Python, Bash
- **Automation Tools:** Ansible, Terraform, Jenkins, GitLab CI
- **Containerization & Orchestration:** Docker, Kubernetes
- **Monitoring & Visualization:** Prometheus, Grafana
- **Networking:** VPN configuration, multi-WAN failover, WAN/LAN management
- **DevOps Practices:** CI/CD pipelines, infrastructure-as-code, hybrid cloud integration
- **Hardware:** PC and laptop assembly/disassembly, hardware repairs, printer maintenance
- **Embedded Systems:** EEPROM and microcontroller programming
- **Soft Skills:** Teamwork, adaptability, efficiency, quick learner

Experience

April 2009 – **Freelance IT Consultant (Tramaca)**, *Multiple Companies*, Maracaibo-Barquisimeto-Valencia, Venezuela, 15 years

Provided IT services as a self-employed consultant under the Tramaca banner, delivering system administration, DevOps, and hardware solutions to various companies across Venezuela.

Managed Linux-based servers for WAN/LAN networks supporting 20+ daily users, implementing multi-WAN failover and secure VPN configurations.

Automated infrastructure provisioning and management using Terraform and Ansible, reducing deployment times by 40%.

Deployed and managed containerized workloads with Docker and Kubernetes, ensuring scalability and resilience across hybrid environments.

Implemented Prometheus for real-time system monitoring and Grafana for advanced dashboard visualization, improving incident response times by 25%.

Developed Python-based tools for log aggregation, backup automation, and system health checks, enhancing operational efficiency.

Engaged in embedded systems development, programming EEPROMs and microcontrollers for custom hardware solutions.

Oversaw full lifecycle hardware management, including assembly, upgrades, and repairs of laptops and PCs.

Delivered Linux server management and automation services, utilizing Ansible for configuration management, Docker for containerization, and Terraform for infrastructure-as-code.

Set up Prometheus for metrics collection and alerting, paired with Grafana for real-time system health visualization, enabling proactive issue resolution.

Automated backup workflows system monitoring with Bash and Python scripts, ensuring data integrity and high availability.

Managed hardware assembly, repairs, and performance optimizations for diverse client needs.

- April 2010 – **IT Manager**, *S&G Servicios C.A.*, Barquisimeto, Venezuela, 11 years
- March 2021 **Led** system administration and network operations for a Linux-based WAN/LAN environment supporting 10+ daily users.
- Implemented** secure VPN and multi-WAN redundancy to ensure network reliability and business continuity.
- Deployed** Kubernetes clusters to orchestrate containerized applications, integrated with Docker for streamlined deployments.
- Optimized** system performance with Prometheus monitoring and Grafana dashboards, automating alerts for rapid issue detection.
- Automated** server management and network configurations using Ansible, Python, and Bash, reducing manual errors by 35%.
- Designed** and implemented backup solutions and disaster recovery plans using Terraform and scripting tools.
- Managed** hybrid cloud infrastructure and integrated CI/CD pipelines with Jenkins and GitLab CI, accelerating software delivery cycles.
- Oversaw** hardware management, including repairs and upgrades, and configured Siemens BTS for Digitel mobile network services.
- September **IT Manager**, *ASISPROCA*, Maracaibo, Venezuela, 8 months
- 2007 – April **Administered** a WAN/LAN serving 7 unique users daily, implementing multi-WAN and VPN configurations
- 2008 for secure access.
- Managed** hardware replacements and maintenance for PCs, laptops, and printers across various brands.
- February **IT Manager**, *Chat-Cafe*, Maracaibo, Venezuela, 5 years 5 months
- 1998 – June **Managed** 15 desktops, 1 server, and a WAN/LAN network serving 120+ unique users daily, including support
- 2003 for 2 network printers.
- Performed** PC assembly, disassembly, and installations (formatting, OS, and application setups).

Education

- **Bachelors Degree**, San Tarsicio, 1993 – 1999