JUAN RAMIREZ

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ABOUT ME

Seasoned IT professional in designing, deploying, and operating IP networks and IT infrastructure solutions for large-scale enterprises. Proficient in data networking, security systems, project management, and infrastructure operations in both on-premises and cloud environments. A fast learner who adapts easily to change, with a consistent eagerness to learn and grow in the field. A devoted husband and proud father of two children.

SKILLS

Switching | Routing | Firewall | Wireless | VPN | Cisco | Aruba | Fortinet | BGP | OSPF | Cloud Management | Cloud Networking | Network Repairs and Maintenance | Troubleshooting | Backups| Security | System Upgrades | Network Automation | Ansible | Python | Scripting | Terraform | Cloud Computing | AWS | Azure | Logging | Monitoring | Zabbix | Grafana | Solarwinds | Server Management | DNS | Project Management | Communication | Leadership | Adaptability | Problem Solving | Teamwork | Creativity | Interpersonal Skills | Critical Thinking

WORK EXPERIENCE

Network Administrator

Emmi Roth USA | Stoughton, WI, United States | Nov 2024 - Present

Responsible for managing, planning, renewing, and operating the network infrastructure architecture across various cheese-making locations and operational facilities. Develop and implement projects such as WAN/LAN resiliency and the NMS platform for lifecycle network operations.

Network Technical Lead

Mercado Libre Colombia | Bogotá, Colombia | Nov 2020 - Dec 2023

Responsible for planning and supporting the network infrastructure architecture for the largest e-commerce platform in Latin America. Act as the focal point and technical lead for operations in Argentina, Chile, Colombia, Mexico, and Brazil. Ensure seamless connectivity, operational continuity, and security, while defining technologies and solutions from multiple providers for both connectivity and security. Lead initiatives to integrate on-premise operations with multi-cloud services across all Mercado Libre regions.

Primary objective was to ensure maximum uptime and optimal performance to support seamless shipping operations. We connected over 500 warehouses and facilities, ranging from large distribution centers of 150,000 square meters to "nano" sites of just 100 square meters, all integrated into the Mercado Libre digital ecosystem. This included critical business applications and services. While the target uptime was 99.998%, most sites consistently achieved 100% availability due to our highly redundant architecture.

My team and I designed, deployed, and operated the entire solution, integrating a diverse set of vendors to deliver a robust, secure and scalable infrastructure. These vendors provided components such as uninterruptible power supplies (UPS), structured cabling, network switching, wireless access, firewalls, internet connectivity, and cloud integration.The shipping network spans five countries, and I served as the technical lead for Argentina, Colombia, and Chile, overseeing the implementation and operation of the connectivity solutions in these regions.

Key Projects Led and Delivered:

- Deployment of Large Fulfillment Centers: Led the network infrastructure setup for two major fulfillment facilities (100,000 m² and 50,000 m²), including the installation of over 500 wireless access points, 150 network switches, and 30 intermediate distribution frames (IDFs). Designed a highly redundant connectivity architecture for both internet and local services.

- Network Configuration Standards: Developed and enforced standardized network switch configurations across multiple vendors, ensuring consistency, compliance, and ease of management.

- Centralized Network & Security Management: Spearheaded the installation and integration of a multi-vendor management platform for LAN, WLAN, and firewall devices. Enabled centralized control, monitoring, and lifecycle management of network and security infrastructure.

- Multi-Cloud Connectivity Redesign: Led the redesign and deployment of remote connectivity to a multi-cloud environment, providing high-availability, centralized, and private access to platforms such as AWS, GCP, Azure, and colocation data centers for all Latam Location.

- Vendor-Agnostic Configuration Backup Platform: Designed, developed, and deployed a cloud-based configuration backup solution, fully integrated with the existing NetBox source of truth (SoT). The platform supports multiple vendors and automates backup, versioning, and recovery processes.

- Nano Site Architecture: Engineered a cost-effective network architecture for small-scale sites, adapting enterprise-grade connectivity standards to locations as small as 10 m², while maintaining performance and user experience on a reduced budget.

Technology Specialist

BT Latam now Sencinet | Bogotá, Colombia | Apr 2017 - Nov 2020

Manage and oversee infrastructure operations for BT Latam / Sencinet Tier III and Tier IV datacenters in Colombia, focusing on high-speed networking and colocation services. Responsible for the operation and administration of regional IT infrastructure, including firewalls, physical and virtual servers, storage systems, operating systems, and DNS services.

Senior Network Engineer

RCN TV | Bogotá, Colombia | Nov 2015 - Apr 2017

Responsible for managing IP infrastructure and operations, including networks, firewalls, physical and virtual servers, storage, and applications, to support technical TV broadcasting at RCN Television S.A., a leading broadcast company in Colombia. Oversee and execute various projects focused on high-speed switching, IT/OT systems integration, storage solutions, video broadcasting recorders, streaming services, and the implementation of virtualization for services, servers, and infrastructure.

Network Engineer

Fanalca S.A. | Cali, Colombia | Jun 2012 - Oct 2015

Responsible for the deployment and administration of the data network platform (switches and routers), perimeter security (firewalls, VPN concentrators, and content inspection), and telephony systems for Fanalca S.A. and its affiliated companies.

EDUCATION

MSc Business for IT (MBIT) *Computer Science* Aug 2018 - Nov 2020

Universidad de los Andes, Bogotá (Colombia)

Electronic Engineer July 2002 - Mar 2009

Pontificia Univerdad Javeriana, Cali (Colombia)

CERTIFICATIONS

Aruba Certified Mobility - Associate (ACMA) View credentials

AWS Certified Solutions Architect - Associate (AWS SAA) View credentials

AWS Certified Cloud Practitioner (AWS CPC) View credentials

Ruckus ICX Implementer Accreditation View credentials

ITILv3 Foundation View credentials