

Sergio A. Chávez Cárdenas

Telecommunications | Data Center Networking | Network Automation

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📍 San Francisco Bay Area

Professional Summary

Telecommunications and solutions engineer with **13+ years** of experience designing, validating, and demonstrating IP/MPLS, data center networking, and automation solutions. Expertise in network automation, Python, Go, Kubernetes, cloud platforms, and AI-assisted operations. Experienced translating customer requirements into proofs of concept, reusable automation, and product roadmap feedback across international teams.

Professional Experience

Senior Solutions Engineer

Sunnyvale, CA

Nokia of America Corporation

2023 - Present

- Advise customers on the architecture and deployment of Nokia IP/MPLS routing, switching, and data center solutions
- Develop and demonstrate AI-assisted automation for Nokia Data Center Fabric and IP management platforms
- Lead technical demonstrations and proofs of concept for customers at international industry events
- Partner with product management and engineering to turn customer requirements into roadmap feedback and reusable automation frameworks

New Product Introduction & Network Design Engineer

Antwerp, Belgium

Nokia Bell N.V.

2018 - 2023

- Served as the EMEA subject matter expert for Nokia's IP Data Center portfolio
- Led end-to-end network design and business-critical integration and validation projects
- Built automation integrating network platforms with AWS, Azure, GCP, and container orchestration systems
- Delivered 10+ technical workshops and training sessions while maintaining infrastructure that expanded team validation capacity

Quality Assurance System Test Engineer

Antwerp, Belgium

Nokia Bell N.V. (formerly Alcatel-Lucent)

2015 - 2018

- Validated software and hardware for the Nokia Service Router family (7x50)
- Developed automated end-to-end regression testing for routers and network test tools
- Specialized in access, triple-play, and subscriber management feature validation

Traffic & Satellite Support Analyst

Mexico City, Mexico

Eutelsat Americas (formerly Satélites Mexicanos)

2010 - 2013

- Provided 24/7 technical operations support for four GEO satellites in the L, C, and Ku bands across the Americas
- Improved remote diagnostics and support monitoring while contributing to infrastructure and customer migrations
- Troubleshoot RF equipment, calibrated antenna systems, and configured satellite modems
- Presented at two international technical seminars and earned ISO 9001 internal auditor certification

Education

KTH Royal Institute of Technology & UCLouvain

Sweden & Belgium

Master of Science

2013 - 2015

Information and Communication Technologies (MERIT)

Specialization: Signal Processing, Data Networks and RF Systems

Erasmus Mundus scholarship recipient

Universidad Nacional Autónoma de México

Mexico City, Mexico

Bachelor of Science

2007 - 2010

Telecommunications Engineering

Focus: Radiocommunications

Academic Excellence scholarship recipient

Technical Skills

Networking	IP/MPLS, BGP, OSPF, IS-IS, VXLAN, EVPN, Nokia SR Linux, Nokia SR OS
Automation	Python, Go, Bash, Ansible, Terraform, REST APIs, CI/CD, GitOps, Infrastructure as Code
AI Tools	GitHub Copilot, Claude Code, OpenAI Codex, Cursor, Perplexity
Cloud & Platforms	AWS, Azure, GCP, Kubernetes, OpenShift, Docker, VMware vSphere, KVM, OpenStack
Data & Observability	PostgreSQL, MySQL, InfluxDB, Prometheus, Grafana
RF & Satellite	L/C/Ku-band operations, ground station management, antenna systems

Languages

Spanish	Native
English	Proficient
French	Working proficiency (B1)