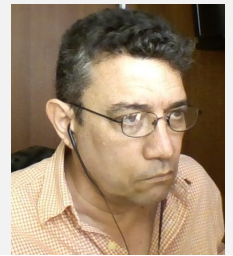


# Heinrich H Hochkofler

Senior Infrastructure Engineer (AWS SysOps, Unix /Storage/Backup/)

[Brief description \(skills & experiences\)](#)



## PROFILE

- Electronic Engineer (BSEE), Univ. Simon Bolivar (Caracas/Venezuela), GPA: 4.16/5.00 (6/126 position.)
- Three (3) years in Cloud (AWS/IBMCloud main services). Customers: Carvajal Tech (SIC), & CTG (Tigo-Millicom), BNP Paribas
- English level B2+ to C1-. Read write and team's meetings (providers and customers)).
- 10 years in MSP with different Providers in IT Infrastructures (on-premises & cloud (SaaS)).
- AWS/IBMCloud Cloud Architect: 3 years (in Millicom-Tigo & BNP Paribas projects Architecture-Implementation).
- 18 years working in IT infrastructure on-premises (implementation, architecture, operation, teaching, ITIL process & technical group leader), Storage/Backup (UNIX/EMC) expert.
- Strong ability to work in organizations with challenges in IT & TELCO in: Engineering, Operation, Architecture, Process, Consulting & Sales Support.

## TECHNICAL SKILLS

### TECHNOLOGIES:

#### IT-Cloud SKILLS:

- AWS SysOps Cloud Computing
- Docker, Kubernetes, Ansible, Terraform
- Programming Languages: Shell, Python
- Software and Tools: GitHub, GitLab.
- Backups: AWS-Backup, Cloud-Ranger, Rubrik
- Monitoring: CloudWatch
- Security

#### IT -On-premises SKILLS:

- UNIX: Solaris, Linux, AIX (expert)  
STORAGES: EMC (VMAX, VNX, DD9800, ISILON), SYMCLI, EMC: Timefinder, SRDF, HP-EVA (basic). BACKUP: EMC Networker, IBM TSM (expert). SAN: (Brocade). Volume Manager: VERITAS, Sun. TCP: UNIX troubleshooting, LAN: Cables/Connectivity. Hw: Full support, ITIL: change control in mission critical systems (15 years without loss data or systems).

#### TELCO-SKILLS:

- SCADA & INSTRUMENTS for OIL applications, FRAME-RELAY: Ascend-Cascade (SW & FRAD), TDM: New-Bridge, SATELLITE: Intelsat, PanamSat, Ku/C band, VSAT, SCPC, LAST-MILES: Microwaves ( 2-15 gigahertz), 2.4Ghertz IEEE 802.11 wireless LAN radio.

### METHODOLOGIES:

- ITIL, Agile, Scrum

### SECURITY:

#### IT-Security SKILLS (Telco/Banking):

- Network design patterns (segmentation, IP limitation)
- Server Firewalls
- OS system hardening (paths).
- Scanning Tools (on-premise/cloud).
- Intrusion audits tools (e.g. IBM's QRadar)
- Certificates (SSL with restrictions)
- VPNs access
- Public/private key magm (cryptography)
- API Gateway JWT RFC7519
- Authentication/Author (SAML, SSO,MFA, password hardening, etc).

## WORK EXPERIENCE

### **FactorIT Chile BANKING BNP Paribas Cardif ( April 2022 – Feb 2024)**

#### ***Infrastructure Architect***

IBMCloud migration from Bogota Colombia to Sao Pablo Brasil (100% Infrastructure & backup), Implementation & Projects., ITIL. For BNP Paribas Cardif (Bank and insurance of French)

### **CTG LATAM Colombia TELCO Millicom-TIGO Systems ( April 2022 – Feb 2024)**

#### ***Infrastructure Specialist***

AWS SysOps Operation (Cloud (Infrastructure & backup), Implementation & Projects., ITIL. For Millicom-TIGO customer

### **Carvajal Tecnología Colombia TELCO CLARO IT Systems ( Nov 2021 – Mar 2022 )**

#### ***Senior Storage / Backup Administrator***

Storage/Backup/SAN/Unix/Windows Operation (storage & backup), Implementation, ITIL for SIC (Superintendencia de Industria y Comercio) customer

### **Indra Colombia TELCO CLARO IT Systems ( Nov 2020 – Oct 2021 )**

#### ***Senior Infrastructure Engineer***

Operation (storage & backup), Implementation. ITIL for (SCRUM) for CLARO. 160 storages & 190 SAN SWs

### **IBM Colombia BANKING Bancolombia IT Systems (Apr 2017 – Sep 2020)**

#### ***Senior Systems Admin***

Operation (storage&backup), Implementation & Architecture. Worked with ITIL, Agile methodologies (SCRUM).

- Tivoli TSM, AIX, Linux, Oracle MSSQL tuning, ITIL, JIRA , VMware

### **Unisys Colombia BANKING Bancolombia IT Systems (Apr 2012 – Sep 2016)**

#### ***Systems Architect***

New systems installations for Bancolombia. (EMC, Storages & backup ), Detail Engineering, capacity planning, documentation.

- Storage, backup, VMware, Oracle & MSSQL tuning, UNIX (Linux, AIX, Solaris)

### **Telefónica Venezuela TELCO Telefónica España IT Systems (Jul 1999 2015- Apr 2012)**

#### ***BSS/OSS Leader***

Maintained UNIX mission critical backend computers in Telefonica Venezuela. Projects manager (SUN, EMC), performance & troubleshooting analysis. ITIL Change Control manager (applications, HW/SW upgrades), Unix Shell Scripts

- Unix, Linux, Oracle DB, Shell Script, ITIL

### **Comsat International Ventures Satellite International Links (Jan 1995 – Jul 1999)**

#### ***Telco Satellite Manager***

Intelsat, PanamSat, Ku/C band, VSAT, SCPC, LAST-MILES: Microwaves ( 2-15 gigahertz), 2.4Ghertz IEEE 802.11 wireless LAN radio

- Link Budget (Ku/C band), Microwave, , TCP/IP protocols, Presales' support, customer installation

## **Patents AUTORELECT System**

***Telco / microprocessors / assembly language***

AUTORELEC System (vehicle tracking and recovery). Ministerio de Fomento, Registro de la propiedad industrial: Venezuela PV-000843, 000844, 000845, 000846, 28 Jun 1991.

**Languages** *English (B2-C1) / Italian (Native) / Spanish (Native)*

## **Contacts Colombia, Antioquia, Medellín**

Calle 8 sur #43B-112, Apt. 1207, Res. Plaza Oviedo, Torre 2,  
Oviedo, Medellín, Antioquia, Colombia  
+57-317- 445.73.70

[hhochkofler@gmail.com](mailto:hhochkofler@gmail.com) Mobile & WhatsApp

Medellín, Sept 2024

# Heinrich Herman Hochkofler

## Employment History (last seven positions in IT)

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Electronic Engineer BSEE, Senior Infrastructure (on premise & AWS Cloud). Colombia, Medellin, zip 050022, street 8 sur #43B-112 apt 1207 | +57-317.445.73.70 | [hhochkofler@gmail.com](mailto:hhochkofler@gmail.com)

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### INFR ARCHITEC | **FACTORIT LATAM (Chile)** | BNP PARIBAS CARDIF | FEB 2024 - CURR

Cloud IBMCloud. Arch/Doc/Imp: Customer: PNB Paribas Cardif French Banking/Insurance.

- **Architecture/Migration:** From Bogota Colombia to Sao Pablo Brazil. On-premise-BGO to On-premise-SAO 100% OK, On-premise-SAO to IBMCloud in progress 2024-2026.
- **Documentation/Planning/Impl:** GAD (General Arch Doc), Togaf (business, application, data and technology), Diagram (draw.io/Archimate). Implementation Support to migrations,
- **API Gateway** (APIgee from Google): Services hosting, security (JWT RFC 7519) in OpenShift (kubernetes) and IBMCloud (code-engine)
- **SAML/SSO (Auth/Authority)** integration with Banistmo (Panama Banking), RedHatSSO integration

### INFR SPECIALIST | **CTG LATAM (USA NY)** | MILLICOM TIGO | APR 2022 – FEB 2024

Cloud AWS Specialist (L3). Arch/Imp/Ope. Customer: Millicom-Tigo Belgium Headquarters.

- **Cloud AWS administration:** EC2 (220 instances), RDS (15 RDS Databases MS-SQL), **snapshot** (6000 backups), S3 (450 Terabytes), EBS (Storage for 500 disks), AMI (3000 backups images), IAM (authentication / roles/ policies/ key/MFA), **Active/Directory** (SAML-Azure, SSO), **CloudTrail** (logs audits), Massive **AWS-CLI** (cloudshell scripts), **WorkSpaces** (125 VDI), **TLS/SSL** (certificates renewal on Linux), **ALB/NLB** (load balancer), **VPC** (TCP networking), **Linux** (RedHat, Debian, CentOS, Fedora, Ubuntu support for 65 instances).
- **Monitoring** (Cloudwatch & SNS Metrics/Alerts): 800 monitor points (220 instances) approx., Integration with ServiceNow (emails), reporting, dashboards
- **Architecture/Implementation:** Implementation of 100% **backup** policies in **Cloud-Ranger** (SaaS). Migrate SFTP services (SAP/HFM) to **AWS Transfer Family** (SFTP). **Bastion Wallix** update and implementation of authentication security improvements (MFA, password policies, etc.). **AWS-Backups** (debugging, clear spaces and policies).
- **Laboratories/Testing:** SOX audits, Active Directory project testing, SQL, etc. (Windows & Linux Servers).
- **Costs Analysis & reduction:** **AWS cost-optimizer** with 21% reduction in monthly billing
- **Tickets:** Special escalations cases at L3 level (workflow tools like: ServiceNow, Jira)
- **Reports/Documentation:** Monthly (Service level agreement, KPI), Procedures (L1/L2), SOX Audit, Platform.
- **Testing labs for new technologies:** Docker, Kubernetes, Terraform, Ansible, Git/Github.
- **CITRIX project:** LACIER migration from on-premise to AWS cloud using **Cloud Formation (IaC)**. Win-Servers

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### SENIOR STG Leader | **CARVAJAL TECH (Bogota Colombia)** | SIC | NOV 2021 – MAR 2022

Senior Storage/Backup Arch/Imp/Ope: SIC (Superintendencia de Industria y Comercio Bogotá).

- **Architecture/Implementation:** Backups in Rubrik (on premise & cloud), Scale-out node expansion (first initialization of SaaS services in AWS Cloud).
- **Storage/NAS Migration (from HITACHI HUB to HITACHI Vantara):** NFS, CIFS (Unix/Windows) storage for SIC (legal documentation application). Mechanical Tape Backup System (Dell-EMC), Hitachi HUB Storage (EOSL).
- **SAN Brocade:** Full support & administration of 18 fiber channel switches. Brocade
- **Reports/Documentation:** Monthly (services, KPI, incidents, projects), Backup/storage (projects, suppliers).
- **Ansible:** For Massive deploy in Unix (changes in NFS folder configurations) associate to storage migration. IBM SW.
- **OpenShift:** IBM containers (kubernetes IBM version), similar to Hyper-V, VMware, etc.

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## SENIOR STORAGE ADMIN | **INDRA (Spain)** | CLARO | NOV 2020 – OCT 2021

**Senior Storage/SAN Specialist.** On-premise Claro Mobile equipment's (Branch of Mexican Telco).

- **Architecture/Implementation:** Migration from Hitachi HUB storages to 22 Terabyte global Vantara. Upgrade of 65 storages, 180 SAN switches.
- **VMware support:** virtualized Windows environment backups.
- **Metrics/Alerts/Monitoring:** Disks (IOPS), Service Time, SAN, NAS, NFS, CIFS. Windows & Linux serves.
- **Storage Migration (from HITACHI HUB to HITACHI Vantara): Block FS** (for Unix/Windows), using replication storage to storage methodology for Claro Colombia.
- **Storage Upgrade: Global Firmware upgrades for 65 storages** (Hitachi, Dell, EMC, Huawei, IBM)
- **SAN Brocade:** Full support & administration of 180 fiber channel switches (firmware upgrade, performance analysis, traffic, laser level, expansion).

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## SYSTEM ADMIN | **IBM (USA)** | BANCOLOMBIA | APR 2017 – SEPT 2020

**Specialist (Backup/Storages) at IBM.** Bancolombia National Bank (Colombian Headquarters).

- **Backups Operation:** IBM Tivoli Storage Manager (TSM) with Data Domain (Dell) in Bancolombia.
- **Unix AIX:** Integration IBM Unix platform in with TSM.
- **SAP-HANNA:** Backups Architecture/Implementation for SAP/Oracle
- **Storage Dell DD9000:** System implementation/operation/upgrades
- **TSM:** for 200 agents (online backups). Windows, Oracle, MS-SQL, SAP, Linux, AIX databases & servers
- **SOX Audit:** documents, evidences, test (KPMG).

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## ARCHITECT IMPEM LEADER | **UNISYS (USA)** | BANCOLOMBIA | APR 2012 SEPT 2016

**Architect & Project Lead in Storage/Backup.** Bancolombia National Bank (Colombian Headquarters).

- **Architecture/Implementation:** Upgrades and Migrations of Dell-EMC storages, NAS, SAN.
- **Metrics/Alerts/Capacity:** Monthly Reports
- **Billing:** Monthly capacity contract in Terabytes for Billing / Performance / Capacity
- **Courses:** Preparation and presentation (monthly). Storage technicians, NAS, SAN, Hadoop, etc.
- **EMC Storages:** PowerMax series, DataDomain DD-xxxx, Unity, VNX, Vmax.
- **SAN:** 100% Brocade switches Brocade controlled by Connectrix Manager (console)
- **NAS:** CIFS/SMB (for windows), NFS (for UNIX AIX Power8 mainly).

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## IT LEADER | **TELEFÓNICA (SPAIN)** | AUG 1999 APR 2012

**UNIX/Storage Backend Leader.** Telefonica Venezuela (Branch of Telefonica Spain Headquarters).

- **Leader:** 22 IT coworkers (engineers and technician)
- **Architecture/Implementation:** Mission critical for online Billing (Mobile calls in Telco company). 100% responsibilities.
- **Solaris UNIX: Version 8-9-10** (bash, scripting, HW component, etc)
- **Sun Cluster, Veritas Volume Manager.** For real time billing (3-4 nodes 100% online)
- **EMC Storage/Backup: VMAX** (SRDF, Timefinder, Symcli) **& Networker** (GUI backup)
- **Disaster recovery:** using site replication by wan fibers extension 10 kilometers (laser mono-mode).
- **Oracle integration & Tuning:** performance/tuning with database group.
- **OSS/BSS:** for Telco Business Model.
- **Development support & integration:** Preparation and presentation (monthly).
- **Management service contracts:** Dell-EMC, SUN MicroSystem, Hewlett Packard, Oracle, Microsoft, etc.

# HEINRICH HERMAN HOCHKOFER

## BSEE, Senior Infrastructure ( AWS SysOps / Unix-Linux / Storage / Backup )

### AWS SysOps

Infrastructure, operation, implementation, performance, control access, alerts, audit, costs (estimation, control & reports).

### Storage/Backup High End Servers

Architecture, implementation, Operation, ITIL, Agile, Group coordinator, Billing, Teaching

### Storage and SAN

EMC: Symmetrix, PowerMAX, Isilon, DD-9800, Hitachi Vantara, SAN Brocade

### Backup

On-premise:

EMC: Data Domain, Networker

IBM: Tivoli TSM

Cloud: Cloud-Ranger, Rubrik, AWS-bck.

**IT BSS/OSS:** UNIX (Solaris, AIX, Linux),

### Operating Systems

Unix (Linux, Solaris, AIX)

Windows Server (Basic)

### System Architecture

SAN Architecture, VMAX/DD Architecture, Networker Architecture, Design Patterns, UNIX Integration Patterns, Oracle DataBase Integration, BSS/OSS Integration, ITIL & Process Integration, Power and Cooling system (basic).

### Satellite

Link Budget, Architecture and Implementation of First Ku Band Teleport in LATAM (8 m) in Parque Cristal, Los Palos Grandes, Caracas, Venezuela.

### Programming Languages & Tools

Unix Shell scripting, C/C++, PLM

### Telco:

Cellular Phone Operation Implementation Architecture (billing, rating, crm, middleware), Satellite (Ku/C) Design, Implementation & presales support

### Management Consulting Services

Telco & IT Oil Technical Leader Consulting SCADA/Telco

**Project and Program Management** 12 years Leader Technical Projects (Telco & IT)

## Professional Summary

- Electronic Engineer (BSEE), Univ. Simon Bolivar (Caracas/Vzla), GPA.: 4.16/5.00 (6/126 position.)
- Two (2) years in AWS main services. Customers: Carvajal Tech (SIC) & CTG (Tigo-Millicom).
- English level B2+ to C1-. Read write and team meetings (providers and customers).
- 10 years in MSP with different Providers in IT Infrastructures (on-premises & cloud (SaaS)).
- AWS Cloud Architect: 1 year (in Millicom-Tigo projects Architecture-Implementation).
- 18 years working in IT infrastructure on-premises (implementation, architecture, operation, teaching, ITIL process & technical group leader), Storage/Backup (UNIX/EMC) expert.
- Strong ability to work in organizations with challenges in IT & TELCO in: Engineering, Operation, Architecture, Process, Consulting & Sales Support.

### IT-Cloud:

AWS SysOps (ec2, s3, vpc, sg, load balancer, rds, iam, ami, transfer family, CloudShell, CloudTrail, CloudFormation, WorkSpaces, ebs, snaps), Backups: AWS-Bck, Cloud-Ranger, Rubrik. Monitoring: CloudWatch. Container: Docker, Orchestration: Kubernetes, Others: Ansible, Terraform, Shell, GitHub.

### IT –On-premises:

**STORAGES:** EMC (PowerMax, Unity, DD9800, ISILON), SYMCLI, EMC: Timefinder, SRDF, HP-EVA (basic). **BACKUP:** EMC Networker, IBM TSM (expert). **SAN:** (Brocade). **Volume Manager:** VERITAS, Sun. **TCP:** UNIX troubleshooting, **LAN:** Cables/Connectivity. **Hw:** Full support,

**TELCO:** TCP-IP, Microwaves, Satellite C/Ku Band, Fiber Optic. SCADA & INSTRUMENTS for OIL applications, FRAME-RELAY: Ascend-Cascade (SW & FRAD), TDM: New-Bridge, SATELLITE: Intelsat, PanamSat, Ku/C band, VSAT, SCPC, LAST-MILES: Microwaves ( 2-15 gigahertz), 2.4Ghertz IEEE 802.11 wireless LAN radio.

**OTHERS:** ITIL (change control in mission critical), project manager, personal & contract manager, MS Office, good financial base, Agil, WorkFlows (Jira, Service-Manager), documentations (process, RFP)

## Professional Experience

- |  |       |               |
|--|-------|---------------|
| • <b>IT Architecture. FactorIT Chile. Infrastructure Arch Mgm</b>            |       | <b>24-Now</b> |
| Migration for BNP Paribas Cardif (French Banking/Insurance)                  | 100%. |               |
| • <b>IT Operation. Infrastructure Specialist CTG LATAM (AWS / BCK)</b>       |       | <b>22-24</b>  |
| Operation (AWS, backup, Linux, Bastion Wallix).                              | 40%.  |               |
| Implementation & Architecture  | 60%.  |               |
| • <b>IT Operation. Senior Storage Administrator. Carvajal Tech</b>           |       | <b>21-21</b>  |
| Operation (storage & backup).  | 70%.  |               |
| Implementation & Architecture (migration)                                    | 30%.  |               |
| • <b>IT Operation. Senior Storage Administrator. INDRA Colombia</b>          |       | <b>20-21</b>  |
| Operation (storage and backup).  | 70%.  |               |
| Implementation & Architecture  | 30%.  |               |
| • <b>IT Operation. IBM Colombia. System Administrator.</b>                   |       | <b>17- 20</b> |
| Operation (storage and backup).  | 50%.  |               |
| Implementation & Architecture  | 50%.  |               |
| • <b>IT Architecture. Unisys Colombia. Architect Implementations Leader.</b> |       | <b>12-16</b>  |
| New systems installations for Bancolombia. (EMC, Storages & backup).         |       |               |
| Detail Engineering, capacity planning, documentation.                        | 100%. |               |
| • <b>IT BSS/OSS. Telefónica Vzla. Implementations Leader.</b>                |       | <b>08-12</b>  |
| Deploy new systems installations for IT (UNIX, Storages & backup systems).   | 50%.  |               |
| Operation (Unix/Storage)   | 50%.  |               |
| • <b>IT BSS/OSS. Telefonica Vzla. Operation Supervisor.</b>                  |       | <b>99-08</b>  |
| Maintained UNIX mission critical backend computers in Telefonica Venezuela.  | 40%.  |               |
| Projects manager (SUN, EMC), performance & troubleshooting analysis.         | 40%.  |               |
| ITIL Change Control manager (applications, HW/SW upgrades).                  | 20%.  |               |

## Employment History

- |  |        |        |
|--|--------|--------|
| • FactorIT Latam (Chile) Infrastructure Architecture             | Feb 24 | Now    |
| • CTG Latam (Col) Infrastructure Specialist (AWS-SysOps/Backup), | Apr 22 | Feb 24 |
| • Carvajal Technologic (Col) Senior Storage/Backup Adm,          | Nov 21 | Apr 22 |



## Office Productivity Tools

MS Office, MS Project

## ACIEM Matricula Profesional

AN206-100072 Colombia

## Ministerio Educación Bogotá

Titulo Ingeniero Electrónico  
homologado resolución 13417

## Cedula Residente Colombia

CE-413443

## Pasaporte venezolano

060548799 (exp. Aug 2027)

## Hobbies

Astronomy:  
Schmidt Cassegrain  
Celestron 6 & 8 inch

## Social Media

LinkedIn: <http://lnkd.in/M4X-i6>  
Gmail: [hochkofler@gmail.com](mailto:hochkofler@gmail.com)  
Hotmail: [hochkofler@hotmail.com](mailto:hochkofler@hotmail.com)  
Skype: hochkofler}  
GitHub <https://github.com/hhochkofler>  
Twitter / Instagram / Telegram:  
@hhochkofler

• Indra Colombia, Senior Infrastructure Engineer,	Nov 20	Nov 21
• IBM Colombia, Storage/Backup System Administrator,	Apr 17	Sep 20
• UNISYS Colombia, Storage/Backup System Architect,	Apr 12	Sep 16
• Telefonica Vzla, IT Implementation Leader,	Jul 08	Apr 12
• Telefonica Vzla, IT Operations Leader,	Aug 99	Jul 08
• Comsat International, Vzla, Data Manager,	Jan 95	Aug 99
• Proyecta Consul. Vzla, Scada/Telco Leader Consultant,	Sep 93	Jan 95
• Maplatex c.a Vzla, Electr. Design/Develop. Manager,	Jan 88	Sep 93
• Lagoven s.a (PDVSA) Vzla, TELCO Engineer,	Dec 85	Jan 88
• Universidad Simón Bolívar Vzla, Teaching Assistant,	Apr 82	Jun 84

**Education:** Univ. Simon Bolivar, Electronic Engineer (digital). BSEE (5y). GPA: 4.16/5.00 (6/126 position).

## Professional Certification

- EMC Networker. Backup. CNAP Univ. Metropolitana. Jul 09
- "ITIL Foundations for IT Management H1846S" Hewlett Packard, Caracas. Oct 07.
- "ControlCenter Management" EMC CNAP Univ. Metropolitana. Mar 07.
- "SAN Management" EMC CNAP Univ. Metropolitana. Nov 06.
- "Symmetrix Bunisses Continuty SRDF Solutions" EMC CNAP Univ. Metropolitana Nov 06.
- "Symmetrix Bunisses Continuity Timefinder Solutions" EMC CNAP Univ. Metropolitana Nov. 06.
- "Clariion Host Integration & Management" EMC CNAP Univ. Metropolitana. Nov 06.
- "SnapView Configuration & Management" EMC CNAP " Univ. Metropolitana. Nov 06.
- "HP Openview Operations I for Unix" HP Education, Caracas. May 05.
- "HP Openview Operations I for Unix" HP Education, Caracas. June 05.
- "Ms-Project Server 2002" Telefonica, Caracas. 15 Jul 05.
- "Administración Bea Tuxedo 8.1" ACM Group, Caracas. June 04.
- "Administration Bea Weblogic Server 7.0" ACM Group, Caracas. June 04.
- "Administering Security on the Solaris Operating Environment" Sun Micro. Inc. Caracas. Oct 03.
- "Shell Programming for System Administrators" Sun Microsystem, Inc. Caracas. May 03.
- "Solaris System Performance Management" Sun Microsystem, Inc. Caracas. June 02.
- "Solaris 8 Operating Environment System Admin. II" Sun Microsystem, Inc. Caracas. May 02.

## Professional Development (general)

- TIGO-Millicom. CTG LATAM. AWS SysOps Cloud. Oper/Impl/Arch. 2012-2023
- Bancolombia. IBM backup TMS (Tivoli) Full Migration. Impl/Install/Oper 2017-2020
- Bancolombia. EMC Storage/SAN/NAS (VNX/Symmetrix). Impl/Install/Oper 2012-16
- Telefonica Vzla. EMC Storage/SAN/Backup (DMX/Clariion/EDL/Networker). Install/Oper. 00-12.
- Telefonica Venezuela. HighEnd Solaris Servers Install/Oper. 00-12.
- First Installation of Ku-band satellite equipments in Vzla. COMSAT 1996.

## Patents

AUTORELEC System (vehicle tracking and recovery). Ministerio de Fomento, Registro de la propiedad industrial: Venezuela PV-000843, 000844, 000845, 000846, 28 Jun 1991.

**Communication Skills** Spanish (native), English (High), Italian (parents)

## Courses (general):

Agile, Unix (Full series in SO: Solaris), Dell-EMC (Full series in product: Storage-Backup), VERITAS (Volume Manager), Cluster (Sun-Cluster), SAN (Brocade), SOA (Weblogic)

**References & Other** Available upon request, Willing to relocate, Availability to travel.

## Contacts

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Oviedo, Poblado, Medellín, Antioquia, Colombia.  
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