



JAVIER PEREZ ZAMUDIO

Telecommunications Engineer | IT Security Specialist | DevOps & Cloud Architect

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PROFESSIONAL SUMMARY

Telecommunications Engineer with 17+ years of experience in IT infrastructure, cloud platform administration (AWS, Azure, Google Cloud), and container orchestration (Kubernetes, OpenShift). IT Security Specialist holding Red Hat certifications (RHCE, RHCSA, OpenShift Administrator), AWS certifications (Solutions Architect Associate, Cloud Practitioner), and Certified Ethical Hacker (CEH). Proven track record designing and implementing scalable architectures, CI/CD pipelines, Infrastructure as Code (Terraform, CloudFormation), and offensive security assessments. Currently focused on Generative AI initiatives on AWS (Amazon Bedrock), building intelligent assistants and process automation. Career spanning leading technology companies including Red Hat, IBM, and major Colombian enterprises.

TECHNICAL SKILLS

Cloud & Infrastructure	AWS (ECS, EKS, Lambda, CloudFormation, EC2, S3, RDS), Azure (ARO, DevOps), Google Cloud, Cloudflare
Generative AI & Cloud AI	Amazon Bedrock, AI Agents, Knowledge Bases, RAG, Intelligent Assistants, AI Automation
Containers & Orchestration	Kubernetes, OpenShift (ARO, ROSA), Docker, ECS, EKS
DevOps & CI/CD	Terraform, CloudFormation, Jenkins, Azure DevOps, Git, CI/CD Pipelines
Operating Systems	Linux (Red Hat, CentOS, Debian, Ubuntu), KVM, OracleVM
Cybersecurity	Ethical Hacking, WAF, Anti-DDoS, Snort, mod_security, Hardening
Monitoring & Observability	Grafana, Prometheus, Thanos, Dynatrace, Nagios
Networking	LAN/WAN Design, Structured Cabling (TIA/EIA), Firewalls, Proxy
Additional Tools	Drupal, Zimbra, iRedMail, Postfix, GLPI, AWS Serverless

CERTIFICATIONS

Red Hat Certified Engineer (RHCE)

ID: 150-129-328

Red Hat Certified System Administrator (RHCSA)

ID: 240-101-659

Red Hat Certified Specialist in Containers

ID: 240-101-659

Red Hat Certified OpenShift Administrator

ID: 240-101-659

AWS Certified Solutions Architect – Associate

ID: 969NXDT1CBRE12SY

AWS Certified Cloud Practitioner

ID: DNTT403KQ1VE1DCN

Certified Ethical Hacker (CEH)

EC-Council – ID: ECC75104428698

PROFESSIONAL EXPERIENCE

Infrastructure Engineer

Caracol Television

December 2025 – Present

- Contributing to Generative AI initiatives on AWS using Amazon Bedrock, designing proofs of concept for process automation, technical summarization, operational data analysis, and intelligent assistants.
- Integrating AI solutions with corporate sources (repositories, pipelines, cloud services, security tooling, and observability platforms) and evaluating architectures based on AI agents, knowledge bases, APIs, and secure connectors.
- Administering AWS and Google Cloud infrastructure, deploying auto-scaling Drupal portals and AWS serverless solutions.
- Managing Infrastructure as Code with Terraform and CloudFormation, CI/CD pipelines for application and portal deployments, and Linux server installation, administration, and hardening.
- Administering Cloudflare (DNS, WAF, security rules, and anti-DDoS protection) and applying security, governance, access-control, and data-protection best practices across cloud and AI solutions.
- Performing ethical hacking and identifying, analyzing, and remediating vulnerabilities across networks, servers, and applications.

TAM – Technical Account Manager (OpenShift)

Red Hat

February 2024 – January 2026 (1 year 10 months)

- Primary technical contact for strategic accounts, providing specialized OpenShift consulting.
- Planning, executing, and supporting container orchestration technical projects.
- Resolving complex incidents, managing escalations, and documenting solutions.
- Evaluating and optimizing client infrastructure aligned with business objectives.

DevOps Engineer

Nowports

January 2023 – February 2024 (1 year 1 month)

- Designed and implemented CI/CD pipelines for automated deployment workflows.
- Deployed and managed Kubernetes clusters on AWS EKS.
- Built monitoring stack with Grafana, Prometheus, and Thanos.
- Hardened infrastructure security against cybersecurity threats.

DevOps Engineer

Indra – Client: Instituto Geografico Agustin Codazzi (IGAC)

October 2022 – December 2022 (3 months)

- Deployed OpenShift clusters on Azure (ARO) and administered Azure DevOps.
- Built CI/CD pipelines and automated infrastructure provisioning.

Cloud Administrator

MichaelPage – Client: ATH

November 2021 – October 2022 (11 months)

- Administered AWS services (EC2, Lambda, EKS) and built IaC with Terraform.
- Implemented and supported EKS clusters for production workloads.
- Configured and managed Linux servers in high-availability environments.

IT Specialist – Daviplata Infrastructure

Davivienda

May 2021 – November 2021 (6 months)

- Managed AWS infrastructure for the Daviplata digital banking platform.
- Performance and availability monitoring using Dynatrace.
- Vendor management and cloud operations coordination.

Infrastructure Engineer

Personalsoft S.A.S. – Client: Banistmo

June 2020 – May 2021 (11 months)

- Deployed Drupal portals on auto-scaling AWS environments.
- Created IaC with CloudFormation and managed serverless services.

Software Testing & Security Engineer

National Health Superintendence (Supersalud)

August 2020 – December 2021 (5 months)

- Implemented functional test automation tools for the Orfeo document management platform.
- Optimized defect detection processes for the Electronic Document Management System.

Open Source Support Specialist

IBM Colombia

January 2020 – June 2020 (5 months)

- Provided Linux server and WebSphere middleware support for financial sector clients.
- Account Advocate for the Telefonica project; clients included Grupo Aval, BBVA, Bancolombia.

Infrastructure Engineer

Caracol Television

November 2015 – December 2019 (3.5 years)

- Managed AWS and Google Cloud infrastructure for the broadcaster's digital portals.
- Implemented auto-scaling architectures with Drupal, Terraform, and CloudFormation.
- Administered CDN and web security through Cloudflare.

IT Security Engineer

Superintendence of Public Utilities

June 2017 – December 2019 (1.5 years)

- Performed ethical hacking on institutional networks, servers, and applications.
- Implemented WAF and Anti-DDoS solutions; led vulnerability remediation efforts.

Infrastructure Engineer

Administrative Department of Public Space Defense

September 2012 – November 2015 (3 years)

- Modernized data center: KVM/OracleVM virtualization and LAN redesign.
- Deployed Zimbra mail, Snort IDS, mod_security, and open-source firewalls.

Operations Engineer

Ubiquando Ltda

March 2008 – September 2012 (4.5 years)

- Linux server administration, KVM/oVirt virtualization, and open-source firewall management.
- Deployed corporate email (Zimbra), IDS (Snort), and GLPI for financial and education clients.
- Clients: Banco Caja Social, Davivienda, Colombian Stock Exchange, Universidad Catolica, and others.

EDUCATION

Specialization in IT Security

Universidad Nacional Abierta y a Distancia (UNAD) – 2022

B.Eng. in Telecommunications Engineering

Universidad Distrital Francisco Jose de Caldas – 2007

Associate Degree in Electronics Technology

Universidad Distrital Francisco Jose de Caldas – 2003

Technical High School Diploma – Design & Technical Drawing

Instituto Tecnico Industrial Piloto – 1999

ADDITIONAL TRAINING

- AWS AI Practitioner Course (AIF-C01) – CloudCamp (2026)
- Kubernetes BootCamp – CloudCamp (2023)
- DevOps BootCamp – CloudCamp (2022)
- Offensive IT Security Diploma – DragonJAR (2019)
- Certified Ethical Hacker v9 – FEUD (2017)
- RH254 Red Hat System Administration III (2017)
- RH134 Red Hat System Administration II (2015)
- Security & Firewalls with GNU/Linux – Universidad Distrital (2004)

ACADEMIC PUBLICATIONS

Perez Zamudio, J. (2022). *Technical, Legal, and Management Capabilities for BlueTeam and RedTeam*. Specialization thesis (IT Security Specialization). Universidad Nacional Abierta y a Distancia (UNAD), Bogota. [View thesis](#)

Perez Zamudio, J., Artunduaga, A., Vargas, E. (2003). *Electronic Wheelchair for Children with Quadriparesis Secondary to Cerebral Palsy*. Tekhne – Technology at the Service of Society, Vol. 1, Year 1 (first semester 2003), pp. 8–13. ISSN 1692-8407. [View article](#)

LANGUAGES

Spanish – Native | English – B1 Intermediate