James Melenge Diaz

Cloud Architect & Sr. DevOps Engineer, Public clouds and on-premises

jamesdiaz319@gmail.com · linkedin.com/in/james-melenge/ · France

PROFILE

10+ years of experience delivering digital transformation: planning, designing and running cloud, data, network and security solutions that drive business value, and leading migration projects from on-premises to the cloud.

Electronics, systems and telecommunications engineer turned cloud architect. Expertise in on-premises VMware, OpenShift, Linux and Kubernetes, and in public clouds (AWS, GCP, Azure, Scaleway, Outscale), with a focus on infrastructure as code, containerization and secure, scalable architectures.

Trained at IMT Atlantique and HEC Paris. Fluent in Spanish, French and English.

EXPERIENCE

Sr DevOps, Cloud & Data Architect, Deloitte France · Oct 2022 – Present

- Design and implement cloud architectures and technical foundations across AWS, GCP and Azure, focused on reliability, security, scalability and operational efficiency.
- Provision and manage infrastructure and data environments with Terraform, building reusable modules to automate deployment and configuration.
- Build and maintain GitLab CI/CD pipelines automating infrastructure provisioning, configuration, testing and deployment.
- Design and run containerised environments on Docker and Kubernetes for scalable deployment and platform operations.
- Refactor IT and data systems to improve reliability and reduce costs; lead troubleshooting of infrastructure, networking and configuration issues in complex environments.

Cloud Architect Engineer, Sr. DevOps, Capgemini France · Nov 2021 – Nov 2022

- Designed a large part of clients' AWS infrastructure as code and led on-premises to cloud migrations.
- Delivered high- and low-level design documentation for cloud infrastructures on AWS, Azure and GCP, with security, observability and high availability by design.
- Built containerised platforms on Docker and Kubernetes (Amazon EKS, Google GKE) and CI/CD pipelines with Jenkins and GitLab.
- Set up complex CDN configurations, applied FinOps practices on AWS, handled security events and trained cloud, ops and dev engineers.

Earlier experience

- **setec** (2021), Consulting Engineer Cloud, Telecom: Network and telecom tender studies (WAN, LAN, IoT, cloud) and cloud proofs of concept with economic business cases.
- **Nokia** (2020), IT Consultant / Cloud Engineer, DevOps: Security, network and application design for an infrastructure migration to AWS, with the business case for budget approval.
- **Itaú Colombia / Agilitix** (2018 – 2019), IT Consultant, Citrix: Datacenter migration and network architecture with Citrix NetScaler and F5 load balancers for banks and service providers.
- **IBM Colombia** (2016 – 2018), IT Specialist, Jr. DevOps: Network and security administration, Cisco ACI pioneer deployment in Colombia, and a ticket-automation tool that cut handling time by 50%; architecture sessions that reduced implementation time by 40%.

SKILLS

- **Public clouds:** AWS, GCP, Azure, Scaleway, Outscale
- **On-premises:** VMware, OpenShift, Kubernetes, Linux, Data centre networking
- **Infrastructure as Code:** Terraform, Helm
- **Containers & Kubernetes:** Docker, GKE, EKS, AKS, OpenShift

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (Professional)
- AWS Certified Security – Specialty (Specialty)
- AWS Certified Solutions Architect – Associate (Associate)
- AWS Partner: Security Governance at Scale (Technical) (Training)

- **CI/CD & Source control:** GitLab CI/CD, Jenkins, GitHub, Git
- **Platform & Observability:** Platform Engineering, Prometheus, Grafana, FinOps, AI platforms
- **Networking & Security:** Citrix ADC, F5, Cisco ACI, Palo Alto, Fortinet
- **Languages:** Go, Python, Bash

- Professional Cloud Architect (Professional)
- Professional Cloud Network Engineer (Professional)
- Associate Cloud Engineer (Associate)
- Microsoft Certified: Azure Administrator Associate (Associate)
- Certified Kubernetes Administrator (CKA) (Professional)
- FinOps Certified Practitioner (Practitioner)

EDUCATION

- **Executive Education Program, Management**, HEC Paris · Jun – Jul 2025
- **Master of Science in Engineering (Diplôme d'Ingénieur), Cloud Computing**, IMT Atlantique (Telecom Bretagne) · 2019 – 2021
- **Master in Mobile Telecommunications**, Universidad Distrital Francisco José de Caldas, Bogotá · 2018 – 2019
- **Electronic Engineer**, Universidad Distrital Francisco José de Caldas, Bogotá · 2011 – 2016

Honors: Eiffel Excellence Scholarship · Undergraduate thesis awarded with honors (meritorious) · First class with honors, three times

Languages: Spanish (native) · French (professional) · English (professional)