

Gontzal Bilbao Peláez · Cloud & Platform Engineer

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Profile

Cloud & Platform Engineer (**AWS Certified Solutions Architect**) focused on taking applications to production on **AWS** and keeping them reliable: **IaC**, zero-downtime deployments, operational security, observability and FinOps. I also build the platform behind **AI** services; **GCP** on personal projects. Solid prior background in data engineering and BI.

I combine architecture design with hands-on operations —deployments, observability, troubleshooting and FinOps— to build environments that are scalable, reproducible and cost-optimised, without compromising availability.

Professional Experience

Evolbe (April 2022 – Present)

Cloud & Platform Engineer | Infrastructure, Automation & Data Platforms

- Modernised the production application runtime with **zero downtime** via **canary** deployments, significantly reducing latency.
- Moved to **immutable infrastructure**: golden images built with **Packer**, **Auto Scaling Groups** and automated deployments with **CodeDeploy**, making servers reproducible and self-healing.
- Governed **infrastructure as code** with **Terraform / Terraform Cloud**: drift remediation, removal of orphaned resources, and changes only through reviewed merge requests with a prior plan.
- Major **managed database (RDS)** upgrades with minimal downtime, rehearsed on real copies.
- **Observability as code**: **CloudWatch** alarms in Terraform, split into warnings and urgent alerts.
- **Operational security**: keyless server access with **SSM Session Manager**, secrets encrypted with **Parameter Store** and **KMS**, per-environment technical accounts and least privilege in **IAM**.
- **FinOps**: **–31% on the cloud bill in two months** by consolidating databases and storage, rightsizing and scheduled shutdowns, measured in **Cost Explorer**.
- **CI/CD on GitLab**, automating deployments of web apps and AI services across environments.
- Root-cause analysis of production incidents using metrics, logs and **SQL**, plus traffic and latency analysis from load balancer logs.
- Data platform: **ETL/ELT** pipelines (SSIS and SQL Server) feeding **Power BI** with per-customer security (RLS) on a multi-tenant data warehouse, optimising queries, indexes and batches.

Key Projects

End-to-end platform modernisation in production

- Application, databases, IaC, observability, CI/CD and access, **without service interruption**: **inventory and drift** first, **rehearsals on real copies**, **canary** and **everything as code**.

Multi-tenant SaaS deployment on Google Cloud

- Took a B2B SaaS platform to production on **GCP**: multi-stage containers, **Cloud Run** for API and web, **Cloud SQL** over a private socket, **Memorystore Redis** with TLS and **Secret Manager**.
- Keyless deployments from **GitHub Actions (Workload Identity Federation)**, multi-tenant routing by subdomain with **Cloudflare Workers**, scale-to-zero and AI with **Vertex AI**.

A platform for an AI service

- The team's AI service, from a hand-built machine to several environments with **Terraform and Packer**, secrets in **Secrets Manager** and deployments with **CodeDeploy**, with no SSH or keys.

Technical Skills

Cloud

- **AWS** (EC2, Auto Scaling, RDS, S3, CloudFront, ALB, IAM, KMS, Systems Manager, Lambda, EventBridge, CloudWatch, ElastiCache Redis, Glue, Athena, Route 53). **Google Cloud** (Cloud Run, Cloud SQL, Memorystore, Secret Manager, Vertex AI). Azure fundamentals.

Infrastructure, CI/CD and operations

- **Terraform**, Terraform Cloud, **Packer**, Bash, PowerShell, Linux, Windows Server, **Docker**, **GitLab CI/CD**, **GitHub Actions**, CodeDeploy, Cloudflare · canary, immutable infrastructure, **SSM**, secrets, IAM, **CloudWatch**, **FinOps**, runbooks.

Data and AI

- **SQL**, RDS/MySQL, ETL/ELT, SSIS, SQL Server, Data Warehousing, **Power BI**, DAX, RLS · Personal projects: multi-agent orchestration, **MCP / function calling**, **RAG**, **Vertex AI / Gemini**.

Certifications

- **AWS Certified Solutions Architect – Associate** · **AWS Certified AI Practitioner** · AWS Certified Cloud Practitioner
- Microsoft Azure Fundamentals (AZ-900)
- Cisco CCNA – Introduction to Networks
- **In progress:** AWS Certified CloudOps Engineer – Associate

Education

- **Cisco Networking Academy:** CyberOps Associate and CCNA: Introduction to Networks (2022)
- **MEATZE:** Computer Systems (2022) · **EOI:** RPA (2021) · **San Valero University:** AI and Cybersecurity (2026)

Languages

- **Spanish:** native · **Basque:** native · **English:** B1