

Pedro Posada

Cloud Engineer

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PROFESSIONAL SUMMARY

Cloud Engineer with 13+ years of experience spanning the full spectrum of modern software delivery — from architecting secure, scalable cloud infrastructure to building the full stack applications that run on top of it. I've designed and shipped production systems across finance, government, entertainment, and SaaS: Kubernetes platforms on EKS with Karpenter auto-scaling, generative AI products on AWS with PrivateLink-hardened networking, event-driven serverless backends, retail banking React applications, and CI/CD pipelines that eliminated manual deployments across 8+ projects. AWS and Kubernetes certified (AI Practitioner, Solutions Architect, Developer, CKAD), I bring both the infrastructure depth to design multi-account cloud architectures and the software engineering breadth to own features end-to-end — writing the TypeScript, Python, or Go that runs on the platform I built.

I take ownership seriously, move from proof-of-concept to organizational rollout, mentor cross-functional teams, and translate complex technical decisions into clear business value. Whether the problem is a misconfigured Kubernetes node, a security gap in the cloud perimeter, or a product feature that needs to ship — I'm comfortable owning it from first principles to production.

CERTIFICATIONS

- AWS Certified AI Practitioner
- AWS Solutions Architect – Associate
- Certified Kubernetes Application Developer (CKAD)
- AWS Certified Developer – Associate

TECHNICAL SKILLS

Cloud Platforms AWS (EKS, Lambda, PrivateLink, CodePipeline, S3, IAM, Route53, CloudFormation, CDK)

IaC & Automation Terraform, CloudFormation, CDK, Helm

Containers & Orchestration Kubernetes, EKS, Karpenter, ArgoCD, Docker, Helm, Istio, Kyverno

Languages TypeScript, Python, Go, Bash, Java, PHP

Full Stack Next.js, React, Node.js, RESTful APIs, GraphQL, serverless, event-driven architecture

CI/CD AWS CodePipeline, GitHub Actions, GitLab CI, ArgoCD, Artifactory

Monitoring & Observability CloudWatch, Datadog, Grafana, Prometheus

Security & Compliance IAM, OIDC, JWT, PrivateLink, SonarQube, encryption at rest and in transit

Architecture Patterns Event-driven, serverless, microservices, multi-account governance, multi-region

PROFESSIONAL EXPERIENCE

Cloud Platform Engineer — Consultant

BMO (Financial Services) | Aug 2025 – Feb 2026 · 6 months | Montreal, QC

- Led end-to-end architecture and deployment of a generative AI product, owning the full solution design and driving successful organizational rollout.
- Hardened enterprise security by engineering AWS PrivateLink and private DNS for all cloud services, eliminating public internet exposure across the platform.
- Secured executive buy-in for AI initiatives by delivering high-impact proof-of-concepts and presenting strategic recommendations to senior leadership.

Cloud DevOps Engineer

Tecsys (SaaS) | Sep 2024 – Aug 2025 · 11 months | Montreal, QC

- Improved cluster reliability and performance by diagnosing and resolving Kubernetes networking, resource allocation, and auto-scaling issues across production environments.

- Cut node provisioning time and reduced cloud infrastructure costs by migrating from Cluster Autoscaler to Karpenter, improving overall scaling efficiency.
- Enhanced observability by upgrading monitoring dashboards and proposed a DevOps pipeline for automated Terraform validation, reducing configuration drift risks.

Full Stack Software & Cloud Engineer — Consultant

Canada Border Services Agency (Government) | Nov 2021 – Sep 2024 · 2 years 10 months | Montreal, QC

- Designed and delivered infrastructure-as-code blueprints enabling fully automated CI/CD across 8+ projects, significantly reducing deployment time and manual intervention.
- Built full stack features across multiple government applications, owning both frontend and backend layers end-to-end.
- Strengthened organizational security posture by hardening container images and enforcing encryption of data at rest and in transit across all cloud workloads.
- Mentored 3+ cross-functional teams on cloud best practices including serverless architectures, event-driven design, and service decoupling, accelerating team autonomy.

Full Stack Software & Cloud Engineer

Peoples Group (Financial Services) | Jan 2018 – Nov 2021 · 3 years 11 months | Montreal, QC

- Spearheaded end-to-end delivery of a retail banking React application, managing the full SDLC and integrating user analytics to drive data-informed product improvements.
- Built and maintained RESTful APIs and backend services supporting the banking platform's core features.
- Secured system architecture by implementing OIDC and JWT standards, reducing unauthorized access risks and ensuring robust user data protection.
- Pioneered AWS CodePipeline adoption, increasing deployment velocity and significantly reducing manual intervention risks across multiple delivery pipelines.

Full Stack Software Engineer

Bandsintown (Entertainment) | Jan 2017 – Jan 2018 · 1 year | Montreal, QC

- Developed high-performance React applications serving millions of music fans globally, boosting user retention through seamless UX.
- Engineered scalable RESTful APIs capable of handling high-traffic surges during peak usage, improving system throughput and backend reliability.
- Reduced time-to-market by embedding automated tests into the CI/CD pipeline, eliminating manual bottlenecks and hardening deployment reliability.

Full Stack Software Engineer

IPISL Group (Consulting) | Nov 2012 – Jan 2017 · 4 years 2 months | Montreal, QC

- Developed a CMS platform (PHP) for pharmaceutical research, enabling non-technical scientists to publish complex clinical findings while maintaining data integrity and regulatory alignment.
- Translated complex system requirements into actionable business logic, aligning cross-functional teams and accelerating project approvals.
- Led automated testing workshops that drove a measurable increase in unit and integration test coverage, significantly reducing production regressions.

EDUCATION

British Columbia Institute of Technology · Vancouver, BC · 2006 – 2007

Software Systems Development, Software Engineering

ICAFT · Bogotá, Colombia · 2000 – 2002

Diploma in International Trade