

Israel Arias Panez

Senior Site Reliability / Platform Engineer | AWS / EKS / Kubernetes / GitOps / Observability

Target Roles: Site Reliability Engineer | Senior Platform Engineer | Senior DevOps Engineer | Cloud Platform Engineer
Santiago, Chile | Open to remote | English C2 proficient | Spanish native

Email: iariaspanez@gmail.com

LinkedIn: [linkedin.com/in/israel-arias-panez](https://www.linkedin.com/in/israel-arias-panez) | **GitHub:** github.com/israelsz

EXECUTIVE PROFILE

Senior Platform Engineer with 4+ years in Kubernetes, AWS, GitOps and SRE across production cloud and Linux environments. Builds and operates EKS platforms and cloud infrastructure with a strong focus on reliability, observability, resource efficiency, cost optimization and production operations. Designs GitOps-driven platforms, elastic CI infrastructure and observability systems spanning metrics, logs and traces, with hands-on experience in incident response, networking, automation and developer self-service.

CORE SKILLS

Platform & Kubernetes: Kubernetes, Amazon EKS, Helm, Argo CD, Argo Workflows, GitOps, Karpenter, Actions Runner Controller (ARC), Envoy Gateway, Gateway API, NGINX Ingress, ExternalDNS, autoscaling, RBAC, CSI storage

Cloud & Infrastructure as Code: AWS, GCP, EC2, VPC, IAM, RDS, S3, Route 53, ALB/ELB, Lambda, CloudWatch, CloudTrail, OpenTofu, Terraform, CloudFormation, Ansible

Observability & Reliability: OpenTelemetry, eBPF-based tracing, Prometheus, Grafana, Datadog, VictoriaMetrics, VictoriaLogs, VMAalert, Elastic Stack, metrics, logs, traces, alerting, on-call, incident response, RCA, runbooks

CI/CD & Developer Platforms: GitHub Actions, GitLab CI, Jenkins, Groovy, Argo CD, Argo Workflows, Helm, repository governance, branch protection, self-service tooling

Security & Networking: OpenBao, HashiCorp Vault, External Secrets Operator, NetBird, Teleport, Keycloak, Google SSO, AWS IAM, Kubernetes RBAC, Cloudflare, Cilium, Istio, TCP/IP, HTTP, DNS, TLS

Automation & Data: Python, Go, Bash, TypeScript, k6, Locust, Redis, RabbitMQ, PostgreSQL, MySQL, MongoDB, REST APIs, microservices

PROFESSIONAL EXPERIENCE

Senior Platform Engineer - Talos Labs Technology Consulting

Remote, Chile | Oct 2025 - Present

- **Lead Platform Engineering and SRE delivery** across international and Chilean client environments, owning production reliability, cloud operations, incident response, platform security, observability and continuous improvement across AWS, GCP, Kubernetes and Linux infrastructure.
- **Designed and built development and production Amazon EKS platforms from the ground up** across multiple AWS accounts, replacing fragmented VM-based workloads with standardized Kubernetes infrastructure provisioned through OpenTofu and operated through Argo CD-based GitOps.
- **Built an elastic self-hosted GitHub Actions runner platform** using Actions Runner Controller, Karpenter and Spot EC2 capacity, dynamically provisioning right-sized compute based on workload CPU/RAM requirements and scaling idle runner capacity back to zero.
- **Built a self-service Kubernetes performance-testing platform** with k6, Locust and Argo Workflows, executing distributed tests reaching 100,000 concurrent simulated users to expose application bottlenecks while automatically returning testing infrastructure to zero cost after execution.
- **Own production troubleshooting and incident response** across Kubernetes and Linux environments, resolving failures involving DNS, networking, nodes, storage, autoscaling and application routing, then converting recurring failure modes into preventive alerts and operational runbooks.
- **Implemented OpenTelemetry tracing with eBPF-based instrumentation** for a client environment, capturing kernel-level trace telemetry to improve production visibility and troubleshooting without relying exclusively on application-level signals.
- **Migrated approximately 70 application routes** from ingress-nginx to Envoy Gateway and Kubernetes Gateway API through controlled parallel rollout procedures, completing the migration without service downtime.
- **Operate and improve production observability and alerting** across Prometheus, Grafana, Datadog and cloud-native monitoring; built an internal Keep, Datadog, Twilio and LLM-assisted workflow for enriched alert context, incident triage and engineer paging.
- **Designed a defense-in-depth private access model** using self-hosted NetBird with Google SSO, AWS IAM roles and Kubernetes RBAC; kubectrl and internal services including Argo CD, Grafana, OpenBao, Vaultwarden and private APIs are inaccessible outside the VPN, with separate read-only and administrator privileges.
- **Deployed and operated OpenBao in HA mode** using integrated Raft storage, Kubernetes authentication and External Secrets Operator for centrally managed workload secrets.
- **Planned and executed multiple zero-downtime Amazon EKS and RDS upgrades** across development and production, covering compatibility validation, controlled node rotation, backup verification and documented rollback procedures.
- **Mentor Platform, DevOps and SRE engineers** through onboarding, architecture and pull-request reviews, standards definition, incident leadership and production troubleshooting.

DevOps Engineer - Technology Solutions Latam

Technology Consulting | Financial Services

Santiago, Chile | Jun 2024 - Sep 2025

- Supported Kubernetes-based application delivery and production operations across development, staging and production financial-services environments, including on-call incident response and service recovery.
- **Automated deployment workflows that previously required manual operational steps** standardizing controlled delivery through Jenkins, Groovy and GitHub Actions.
- **Strengthened automated application-security gates** by improving Veracode and SonarQube integrations within CI/CD workflows, reducing manual intervention in security validation.
- Operated Docker and Kubernetes infrastructure, documented recurring production procedures through runbooks and supported developer onboarding and adoption of DevOps and security standards.

DevOps Engineer - CITIAPS

Technology Consulting

Santiago, Chile | Dec 2021 - May 2024

- Delivered DevOps, cloud and software-engineering initiatives across multiple consulting engagements using Kubernetes, Docker, AWS, CI/CD automation and Linux infrastructure.
- **Introduced GitOps from the ground up** in a client environment, replacing fragmented Helm-based deployments with standardized Argo CD delivery, repository structures and controlled environment promotion.
- **Reduced annual observability infrastructure spend by approximately USD 3K** by replacing an Elastic-based stack with VictoriaMetrics, VictoriaLogs, VMAalert and Grafana while improving scalability and maintainability.
- **Developed and maintained 16+ reusable Helm charts** for application delivery, ingress, observability, configuration management and shared platform services; also built CI/CD automation using Jenkins, GitHub Actions, GitLab CI, Python and Bash.
- **Designed highly available PostgreSQL infrastructure with CloudNativePG** including automatic failover and Amazon S3 backups through Barman.
- **Built an internal Debian package-distribution platform with Aptly** centrally managing approved workstation software and dependencies so teams could receive automatic updates without unrestricted administrative access.
- Implemented Prometheus/Grafana monitoring and Teleport/RBAC access controls; created reusable project and environment templates and supported Redis, RabbitMQ, PostgreSQL and MongoDB services.

SELECTED PLATFORM PROJECTS

Elastic CI Compute Platform - *Talos Labs*. Built ephemeral GitHub Actions compute using ARC, Karpenter and Spot EC2, right-sizing capacity per workload and scaling idle infrastructure to zero.

Kubernetes Performance Engineering Platform - *Talos Labs*. Built a self-service k6/Locust platform with Argo Workflows, reaching 100,000 concurrent simulated users and exposing production-scale application bottlenecks.

OpenTelemetry / eBPF Tracing - *Talos Labs*. Implemented OpenTelemetry tracing with eBPF-based instrumentation to capture kernel-level trace telemetry and improve production troubleshooting and visibility.

CERTIFICATIONS

CKA - Certified Kubernetes Administrator | Google Associate Cloud Engineer | GitHub Foundations | Google Cloud Computing Foundations | EF SET English Certificate - C2 Proficient

EDUCATION & LANGUAGES

B.S. in Computer Science Engineering, Universidad de Santiago de Chile, 2019 - 2022

Ranked #1 among Civil Engineering graduates at Universidad de Santiago de Chile; recipient of the Marcos Orrego Puelma Award from the Institute of Engineers of Chile.

Languages: Spanish native | English professional working proficiency