

Chris Jaimon

Platform & Infrastructure Engineer | Kubernetes, Cloud-Native & AI Infrastructure

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SUMMARY

Senior software and platform engineer with 7 years of experience building both the products and the cloud-native platforms that run them. As the sole infrastructure owner, turns sprawling, manual infrastructure into self-service platforms that engineering teams rely on every day, engineered to be zero-trust, fault-tolerant, and self-healing. Expertise spans multi-tenant Kubernetes, cluster lifecycle, GitOps, infrastructure-as-code, observability, and the accelerator platforms behind self-hosted AI. A [Golden Kubestronaut](#) (a distinction held by fewer than 400 engineers worldwide) who sets technical direction and drives complex, cross-team initiatives across distributed systems and cloud platforms, aligning senior stakeholders.

CORE SKILLS

Kubernetes & Cluster Lifecycle: Kubernetes, Karpenter, KEDA, VPA, Cluster Proportional Autoscaler, Helm, Kustomize, Crossplane, Node Problem Detector

Networking & Service Mesh: Cilium (+ Cluster Mesh), Istio, Hubble, Kubernetes Gateway API, NetworkPolicy, mTLS, Envoy, VPC Peering, Transit Gateway, Site-to-Site VPN, BGP, AWS WAF/Shield

Security & Supply Chain: Kyverno, Falco, Tetragon, Trivy, Cosign, in-toto, kube-bench, OpenBao/Vault, External Secrets Operator, Cloud Custodian (CSPM)

IaC & GitOps: Terraform, Terragrunt, OpenTofu, Atlantis, TfSec, Argo CD (Rollouts, ApplicationSets, Image Updater, GitOps Promoter)

Cloud: AWS, Azure, GCP, OCI

Observability: Prometheus, Grafana LGTM (Loki, Tempo, Mimir, Pyroscope), OpenTelemetry (Alloy, Beyla), OpenCost, Robusta, HolmesGPT

Languages: Go, Python, TypeScript, Bash, HCL

AI Inference: vLLM, Ray Serve, KubeRay, LeaderWorkerSets, AWS Neuron (Inferentia/Trainium), NeuronX Distributed Inference, optimum-neuron, NVIDIA device plugin, Envoy AI Gateway, Langfuse, LLMPerf

EXPERIENCE

Senior Software Developer / Platform Engineer

Armor Defense Inc. ([acquired Quantum Security](#)) | 2022 - Present

Sole platform engineer for a 60-engineer organization; architect and operator of the cloud-native platform behind Nexus (MDR), Dash, Forge, and Reactor, which underpins a Frost & Sullivan Top-20 Global MDR (2025).

- Proposed and led the company's [ECS-to-EKS migration](#) and set the platform's technical direction across five pillars: security, cost, observability, GitOps, and self-healing.
- Architect and operate a multi-tenant EKS platform: 300-400 nodes (Karpenter, 80% spot), 250+ microservices, 3,000+ peak RPS. Mentor engineers and set the platform standards the entire organization builds on.
- Run EKS version upgrades in place, and via blue/green cluster cut-overs for multi-version jumps.
- [Self-host multi-model LLM inference on EKS](#) across three accelerator generations (AWS Inferentia2, Trainium2, NVIDIA L40S) with vLLM and KubeRay, serving 2,000+ users (200 concurrent) at 2,100-5,200 tok/s behind an Envoy AI Gateway.
- Cut accelerator node bring-up from an hour to minutes by pre-staging model weights and compile cache in S3.
- Engineer cross-region and cross-cloud connectivity: VPC peering and Transit Gateways across two AWS regions for DR, and an AWS-to-OCI site-to-site VPN with BGP route control beneath a [Cilium Cluster Mesh joining EKS to an Oracle OKE](#) burst cluster.
- [Migrated the service mesh from Istio sidecars to Cilium eBPF](#) (CNI and mesh), cutting API latency by 5% while preserving mTLS and L7 authorization.
- Enforce cluster security by default: Kyverno admission, pod security standards, RBAC and least-privilege IAM (IRSA, Pod Identity), node hardening (kube-bench, Falco), Cosign/in-toto image provenance, and [OpenBao secret rotation](#).
- Run [agent-driven operations](#) with HolmesGPT in operator mode across 15+ data sources, automating 70% of SRE work from alert triage to deployment verification.
- Built a [Crossplane internal developer platform](#) that abstracts Kubernetes for 60 engineers: application and database compositions bake in NetworkPolicies, IRSA, and autoscaling, and expose only a few simple constructs (one flag provisions any of ten database engines, backups included).

- Delivered a [full GitOps experience on Argo CD](#) (ApplicationSets, PR preview environments, gated promotion, Argo Rollouts canary auto-rollback), shipping 850+ PRs across 20+ repos in 15 months.
- Hold a spot-first fleet at a 99.9% SLA with Karpenter (SQS interruption handling, weighted NodePools, on-demand fallback for critical workloads).
- [Cut cloud spend 60-70%](#) (spot-first, OpenCost, KEDA/VPA right-sizing), and re-platformed OpenCTI to EKS for \$130k a year in savings, running since 2022 with zero infrastructure incidents.
- Run a unified, enterprise-grade observability stack (Grafana LGTM, OpenTelemetry, OpenCost) for metrics, logs, traces, profiles, and per-workload cost.
- Built a layered Terraform, Terragrunt, and Atlantis IaC codebase over reusable stack modules, continuously scanned with TfSec.
- Built a Logstash pipeline ingesting 100,000 events/second from Synapse (Singapore's national health-IT agency) into their SIEM.
- Established operational excellence: on-call, runbooks, and blameless postmortems; turned a [28-minute outage](#) into fleet-wide guardrails.
- Surface the platform through a [Backstage developer portal](#), with software templates that scaffold new services in a few clicks.

DevSecOps Engineer

Ollion (previously CloudCover) Consultancy Pvt. Ltd. | 2019 - 2022

Promoted twice in under two years (Technical Support (SRE), Associate DevOps, DevSecOps); multiple spot awards.

- Built secure, production-ready Azure infrastructure for LetsBloom, a Standard Chartered fintech product, with security and DevSecOps shifted left from the design and architecture stage.
- Established the DevSecOps practice early enough to onboard 3 enterprise customers within 4 months of the project's inception.
- Delivered its marketplace of [18 compliant, secure-by-design landing zones](#) and blueprints (Lambda, ECS, EKS, EC2 fleets, and multi-network zones with Transit Gateways, AWS WAF, and Shield), all defined as code in Terraform.
- Led the [AWS-to-Azure re-platform](#) onto a 100+ node AKS cluster (Consul, Calico, Vault) with zero downtime, establishing the team's Kubernetes practice and culture.
- Owned the [secure delivery pipeline](#): Checkov, SAST and DAST, Trivy and Anchore scanning, OPA Gatekeeper admission, and Falco runtime.
- Added continuous [CSPM with Cloud Custodian](#) (c7n) and 100+ custom AWS policies, keeping customer-modified blueprints compliant with the bank's posture.
- Authored a Terraform validator in Go with a Rego policy-as-code framework for fine-grained, logic-based policy decisions.
- Wrote 40% of LetsBloom's Go microservices, including a [Casbin AuthN/AuthZ framework](#), a [Celery task worker](#), the lead-generator app, landing-zone and CSPM middlewares, Vault processors (Secure Notes), and an SES notification engine.

OPEN SOURCE

Active in the AWS AI-accelerator ecosystem: **AWS Neuron** (Trainium/Inferentia) model enablement for Llama 4 and GPT-OSS, and AWS's [AI-on-EKS](#) project (a Llama-4-on-EKS blueprint and a merged chart fix). Also a feature PR to **Argo CD** (ApplicationSets), a merged fix to **Checkov**, and a security proposal to the **Terraform AWS Provider**.

CERTIFICATIONS

CNCF (Golden Kubestronaut): CKA, CKAD, CKS, KCNA, KCSA, PCA, ICA, CCA, CAPA, CGOA, KCA, CBA, OTCA, CNPA

HashiCorp: Terraform Associate, Consul Associate, Vault Associate

Red Hat & Linux: RHCE, RHCSA, Red Hat Certified Specialist in Ceph Storage Administration, Red Hat Certified Specialist in Server Security and Hardening, LFCS

Cloud (AWS & Microsoft): AWS Certified Security Specialty; Microsoft Azure Security Engineer, Identity & Access Administrator, Security Operations Analyst, DevOps Engineer Expert, Azure Developer

Other: Certificate of Cloud Security Knowledge (CCSK)

EDUCATION

Bachelor of Technology (B.Tech), Mechanical Engineering, Karunya Institute of Technology and Sciences, 2015-2019