

# AMAR SATTAUR

Platform Engineering | DevOps & Site Reliability | Cloud Infrastructure

## PROFESSIONAL SUMMARY

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Staff-level DevOps and Platform Engineer with deep expertise in Kubernetes orchestration, CI/CD pipeline architecture, and cloud infrastructure automation. Proven track record of executing zero-downtime EKS cluster upgrades across multiple major versions, designing reusable CI/CD frameworks that accelerate development velocity, and leading cross-cloud migrations. Technical leader who combines hands-on implementation skills with the ability to communicate effectively with executive stakeholders and mentor engineering teams.

## TECHNICAL EXPERTISE

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Container tools & Platforms	Kubernetes (EKS with/without Karpenter, GKE, custom in AWS via kops), Container runtimes (docker, cri-o, containerd)
Cloud Platforms	AWS (usual services plus ones like Athena and Keyspaces), GCP, OCI
CI/CD & Automation tooling	Github Actions, Jenkins, CircleCI, ArgoCD, Ansible, Puppet, Helm (since the days of Tiller..) and I know git like the back of my hand to the point that I use git worktrees
Observability	Prometheus stack, DataDog, OpsGenie
Languages & Scripting	Python, Bash, Go, TypeScript/JavaScript, Ruby. I also live in my terminal
Infrastructure as Code	Terraform (+ Terraform Cloud), CloudFormation, once wrote my own at Kira

## PROFESSIONAL EXPERIENCE

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### Staff DevOps Engineer

Mogo Financial | January 2025 – Present

- Architected and evolved a multi-environment platform on AWS/OCI (EKS, RDS, RabbitMQ, object storage), defining patterns for new services, cron jobs, and integrations used by multiple product teams while owning uptime, scalability, and security for customer-facing financial platforms.
- Drove platform-wide Kubernetes upgrades (EKS 1.26 → 1.33), planning and executing control plane and node group rollouts with zero downtime—aligning applications, operators, and Helm chart dependencies while validating API deprecations with Pluto.
- Standardized and scaled CI/CD as a shared platform capability, implementing organization-wide GitHub Actions and ArgoCD patterns, managing self-hosted runners via ARC across AWS and OCI, and establishing safe deployment strategies for high-traffic services.
- Led cross-cloud infrastructure migration from AWS to Oracle Cloud, defining the migration strategy, provisioning IaC-managed resources, and coordinating cutover procedures with minimal disruption to production workloads.
- Acted as primary DevOps partner to product and engineering leads, translating business and regulatory requirements into infrastructure changes, establishing environment standards, and unblocking teams with access, tooling, and shared platform services—reporting directly to the COO on delivery timelines and blockers.
- Influenced engineering-wide practices as a staff-level contributor, reviewing designs for new services, mentoring engineers on infrastructure-as-code and reliability patterns, and serving as the escalation point for complex infrastructure and incident response.

### Platform Engineer (Contract)

Independent Consulting | December 2022 – January 2025

- Performed zero-downtime EKS upgrades spanning v1.24 to v1.30, including control plane and managed node group rollouts with pre-upgrade API compatibility validation.
- Orchestrated a complete AWS account migration using Terraform with community EKS modules, consolidating resources and eliminating infrastructure sprawl.

- Designed reusable GitHub Actions CI/CD pipelines for Python, Go, and TypeScript applications—implementing Docker layer caching, conditional job triggers, and GHCR publishing—reducing average build times by 35%.
- Implemented Karpenter with custom NodePools and NodeClasses, enabling intelligent cluster autoscaling and reducing compute costs by optimizing instance selection.
- Deployed foundational cluster infrastructure: ingress-nginx, external-secrets (AWS Secrets Manager), external-dns (Route53), cert-manager, and argocd-image-updater for automated deployments.
- Integrated CastAI for comprehensive cost monitoring and optimization recommendations across EKS workloads.

## Senior Site Reliability Engineer

**Narvar** | December 2021 – December 2022

- Led the end-to-end redesign of CI/CD infrastructure: refactored CircleCI pipelines with caching and artifact sharing, authored standardized CircleCI Orbs, and migrated deployments from raw kubectl to self-managed ArgoCD.
- Implemented semantic-release automation, enabling automated GitHub Releases with conventional-commit-based changelogs and eliminating manual versioning overhead.
- Authored base Helm charts with sensible defaults, feature flags, and JSON Schema validation, packaging in OCI format for distribution via Artifactory.
- Administered multiple Artifactory instances—configuring Okta SSO, PostgreSQL HA backend, retention policies, and automated vulnerability scanning.
- Drove cost optimization initiatives, identifying and remediating orphaned EBS volumes, idle EC2/RDS instances, and implementing preventive automation.
- Delivered technical presentations to executive leadership and mentored development teams on container adoption through workshops and embedded support.

## Senior Infrastructure Engineer

**Exiger** | May 2021 – December 2021

- Led the migration from IBM Cloud to GCP/Kubernetes, architecting the transition strategy and minimizing downtime during core application stack cutover.
- Engineered CI/CD pipelines in Jenkins and Bitbucket Pipelines with semantic versioning and automated testing, reducing build times by 40%+.
- Migrated from static Jenkins workers to ephemeral build nodes, eliminating workspace pollution and significantly reducing build failures.
- Authored standardized Helm charts that became the deployment template for all Kubernetes workloads across the organization.
- Strengthened security posture through granular IAM policies (least-privilege) and GKE Workload Identity implementation.
- Championed Terraform adoption with Terraform Cloud, standardizing infrastructure deployment across IBM Cloud and GCP environments.

## NOTABLE ACHIEVEMENTS

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- Cross-Cloud Migration Leadership: Designed and executed AWS-to-OCI migration strategy for Mogo Financial, coordinating infrastructure provisioning, application migration, and network architecture across cloud providers.
- CI/CD Standardization: Built reusable pipeline frameworks adopted across multiple organizations, reducing onboarding time for new services from days to hours.
- Kubernetes Upgrade Expertise: Maintained 100% uptime across 10+ major EKS version upgrades, developing repeatable runbooks and validation procedures.
- Developer Experience: Deployed self-hosted GitHub Actions runners at scale, providing teams with flexible compute options and reducing CI/CD queue times.