

ABHAY CHAURASIYA

DevOps / Platform Engineer | Kubernetes | Go | **CNCF & Go Toolchain Contributor**
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DevOps / Platform Engineer with strong expertise in **Kubernetes, Go, and cloud-native systems**. Designing and building **scalable, fault-tolerant, distributed systems** — from self-healing Kubernetes operators to high-availability CI/CD pipelines. Active contributor to the **official Go toolchain** (golang/tools, reviewed by Google's core team) and **CNCF ecosystem** (Jaeger, Helm, GoReleaser) with 9 merged PRs reaching millions of developers. Focused on building **developer platforms and internal tooling** to improve engineering velocity and system reliability. Production-grade experience in observability, CI/CD pipeline automation, and platform engineering.

TECHNICAL SKILLS

Languages	Go (Golang), TypeScript, JavaScript (ES2022+), Python, Bash, SQL
Cloud & Infra	Kubernetes, Helm, Terraform, Docker, AWS (EKS · EC2 · S3 · CloudFront · Lambda)
CI/CD	GitHub Actions, Jenkins, ArgoCD, GitOps, Trivy, SonarQube
Observability	Prometheus, Grafana, Alertmanager, Jaeger, OpenTelemetry, SPM
Backend & DB	Node.js, Express.js, gRPC, REST, GraphQL · PostgreSQL, MongoDB, Redis, MySQL

PROFESSIONAL EXPERIENCE (OPEN SOURCE & ENGINEERING WORK)

Go Toolchain (golang/tools · Official Go SDK · Reviewed by Alan Donovan, Google) Open Source Contributor · 3 Merged CLs · Mar–Apr 2026
Ships inside gopls — the official Go language server powering VSCode, JetBrains GoLand, Neovim (millions of daily users)

- Added **slicesbackward analyzer** to go/analysis/passes/modernize — detects legacy backward for-loops, suggests idiomatic slices.Backward (Go 1.23) [PR #627](#)
- Built **422-line AST analyzer** with edge-case guards and golden-file tests — full static analysis pass for the Go modernize suite; fixes [golang/go#78484](#)
- Added **stringscut analyzer** to go/analysis/passes/modernize — replaces strings.Split/SplitN[0] patterns with strings.Cut (Go 1.18); 267-line AST pass [PR #629](#)
- Fixed **gopls completion** — prepends space when completing right after // before a declaration; eliminates malformed output for all Go developers [CL #762540](#)
- All 3 CLs reviewed by **Alan Donovan** (Go core team, Google); PR #629 also approved by Madeline Kalil (Google) → shipped via gopls — **impacts millions of Go developers globally**

Jaeger – Distributed Tracing (CNCF Incubating · used at Uber, Netflix, 1000s of orgs) Open Source Contributor · 4 Merged PRs · Mar 2026

- Built **Go SDK dashboard generator** for SPM stack (ADR-007) — replaced static JSON with programmatic Grafana provisioning; enabled dynamic metric config across monitoring pipeline [PR #8216](#)
- Added **CI sync-check workflow** — validates generator output vs committed dashboards on every PR; eliminates dashboard drift [PR #8240](#)
- Patched **jaegermcp** to enforce response size limits → prevented unbounded output crashes [PR #8242](#)
- Restored **Grafana + SPM** in docker-compose → unblocked full local observability stack for contributors [PR #8215](#)

Helm (CNCF Graduated · 29k+ ⭐) & **GoReleaser** (14k+ ⭐) 2 Merged PRs · Mar 2026

- Removed **legacy Kythe import path comments** from helm/pkg/kube — improved module compliance & codebase cleanliness; eliminated static analysis false-positives [PR #31931](#)
- Fixed **filterOut tag selection bug** in GoReleaser — function returned the excluded tag instead of remaining ones; corrected multi-ignore_tags release pipelines [PR #6462](#)

Active contributions across **Argo CD** (X-Frame-Options + CSP headers), **Grafana** (email security), **Tekton**, **Docker CLI**, **NVIDIA/NeMo**, **Meshery**, **Jenkins**, **kgateway** · 11+ open PRs

PROJECTS

Self-Healing K8s Platform ↗ [GitHub](#) Go · Kubernetes · Prometheus · Helm

- 3 Go operators detect CrashLoopBackOff → auto-remediate pods via Prometheus + Alertmanager webhooks; built for **high availability** and **fault tolerance**
- 47+ incidents resolved autonomously; ~11s avg heal time; zero on-call pages — production-grade **scalability**

Dev Environment Platform ↗ [GitHub](#) Go · Kubernetes · CLI (cobra)

- Go CLI spins up isolated MERN / React / Go+PG stacks on K8s in a single command
- Automated namespace provisioning, port-forwarding & teardown in <15s; eliminates "works on my machine"

Netflix Clone on AWS EKS ↗ [GitHub](#) EKS · Terraform · Jenkins · Trivy

- Full DevSecOps pipeline — Terraform IaC, Jenkins CI/CD, SonarQube quality gates, Trivy container scanning across **distributed systems**
- 0 critical CVEs; automated deploy-on-merge; **high-availability** Prometheus + Grafana observability stack

AvlokanIAS – E-Learning Platform React · Node.js · AWS · HLS

- HLS video streaming via CloudFront CDN, JWT auth, Razorpay payments, Node.js + MySQL backend

EDUCATION

Integrated B.Tech + M.Tech – IT 2018 – 2023
ABV-IIIT Gwalior, India (*Institute of National Importance*)
Relevant Coursework: Distributed Systems · Operating Systems · Computer Networks · Cloud Computing · Algorithms & Data Structures · Database Management Systems

ACHIEVEMENTS

🌐 **Go Toolchain Contributor:** 3 CLs merged into **golang/tools** — slicesbackward analyzer, stringscut analyzer & gopls completion fix; reviewed by Alan Donovan & Madeline Kalil (Google); ships to millions of developers via gopls.

💎 **CNCF Contributor:** 6 merged PRs in Jaeger (×4), Helm, GoReleaser; 11+ open PRs across Argo CD, Grafana, Tekton, Docker, Meshery & more.

🏆 **LeetCode:** 600+ problems — Medium 310+, Hard 70+; HackerRank 5★ Problem Solving.

CORE COMPETENCIES

- ◆ Kubernetes Operator Development
- ◆ CI/CD Pipeline Automation
- ◆ Go Static Analysis & Tooling
- ◆ Observability & Monitoring
- ◆ Platform / Infrastructure Engineering
- ◆ Infrastructure as Code (IaC)
- ◆ DevSecOps & Security Hardening
- ◆ Cloud-Native Architecture (AWS)

- Sustained **5,000+ concurrent users** on launch day with zero downtime