

AKASH JAISWAL

Platform Engineer II @ Oracle — Platform Engineering, Cloud Native & AI Systems

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Experience

Oracle India Pvt Ltd

June 2024 – Present

Platform Engineer II

Hyderabad, Telangana

- Part of the **Fusion Release Engineering** organization, building and operating Kubernetes-native CI/CD platforms and developer infrastructure serving **5,000+ developers** across **1,200+ projects**; developed platform services using **Kubernetes, OCI, Podman, Java (Helidon), Node.js, Oracle JET, and Oracle Database**.
- Built core components of **Ocean**, a Kubernetes-native CI platform replacing legacy Jenkins infrastructure; implemented workload scheduling, autoscaling, and resource quota management to optimize cluster utilization and support thousands of concurrent CI workloads across Oracle Fusion Applications.
- Developed **Darwin ITS**, a self-service developer platform enabling pipeline simulation, automated validation, and AI-assisted workflow analysis prior to production deployment; adopted by **50+ developers** and significantly reducing validation turnaround time.

Kubeflow, CNCF (Google Summer of Code)

April 2025 – Present

Open Source Contributor & Mentor — GSoC 2025, 2026

Remote

- GSoC 2025 Contributor:** Designed and deployed GPU-enabled Kubernetes infrastructure for Kubeflow's LLM Blueprint CI on Oracle Kubernetes Engine (OKE); provisioned clusters, configured GitHub self-hosted runners, and implemented approval-gated CI workflows to enable reliable testing of AI/LLM workloads before upstream release.
- Serving as **OCI Tenancy Administrator** for Kubeflow community infrastructure, owning deployment and operations of GPU-enabled Kubernetes clusters on OCI; managing IAM, networking, Argo CD-based GitOps workflows, secrets, contributor access, and platform scalability for AI/ML workloads.
- GSoC 2026 Mentor:** Co-mentoring projects focused on **MCP integration** and **OpenTelemetry observability** for Kubeflow SDK, enabling LLM agents to manage TrainJob lifecycles and improving distributed tracing, metrics, and operational visibility across AI/ML workflows.

Selected Projects

2022 – Present

AI Infrastructure & Open Source

- Self-Hosted LLM Platform:** Built and operated a GPU-backed LLM serving platform on OCI using **vLLM, Open WebUI, NGINX**, and OpenAI-compatible APIs, enabling secure self-hosted inference workloads on GPU infra.
- Google Summer of Code 2022 (CCEXtractor):** Built and deployed a cross-platform Flutter application and Node.js backend that allowed users to flag urgent calls and deliver priority notifications, enabling interruption-aware communication workflows on mobile devices.

Open Source Leadership & Community

- Open Source Contributions:** Contributed to **Kubeflow**, **OWASP**, **Keploy**, **Oppia**, **Processing Foundation**, and other open-source projects across cloud-native, AI/ML, security, and developer tooling ecosystems.
- Conference Speaker:** **Open Source Summit India 2026**, **TechFusion Summit 2026 (GDG Cloud Nagpur)**, **CNCF Hyderabad Meetup**.
- Community Leadership:** Served as **Technical Secretary** at NIT Trichy, overseeing 17 technical clubs and Pragyan (budget: INR 50+ lakhs); founded and scaled the **TeCOS** open-source community to **1,000+ members**, mentoring students in open source and GSoC.
- Community Recognition:** Awarded scholarships by the **Linux Foundation**, **CNCF**, and **Wikimedia Foundation** to attend international open-source conferences including **Open Source Summit Korea 2025**, **KubeCon India 2025**, **KubeCon India 2024**, and **Wikimedia Summit 2023**.

Technical Skills

Languages: Go, Python, Java, JavaScript, TypeScript

Platform Engineering & DevOps: Kubernetes, Docker/Podman, Helm, Argo CD, GH Actions, Terraform, CI/CD

AI/ML Infrastructure: Kubeflow, MCP, GPU Infrastructure, LLM Deployment, vLLM

Cloud Platforms: Oracle Cloud Infrastructure (OCI), AWS, GCP

Observability: OpenTelemetry, Prometheus, Grafana

Databases: Oracle Database, PostgreSQL, MongoDB

Certifications: CKAD, AI/ML Toolkits with Kubeflow (LFS147)

Education

National Institute of Technology, Tiruchirappalli

Nov 2020 – June 2024

Bachelor of Technology in Civil Engineering (Minor: Computer Science) — CGPA: 8.1/10

Tamil Nadu, India