

RAJIB MITRA

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PROFESSIONAL EXPERIENCE

Okta May 2024 - Present

Staff Software Engineer

- Architected authentication/authorization microservices handling 1B+ requests per day across multi-cloud (GCP/AWS) with 99.99% uptime.
- Built a resilient CASP framework with Crossplan and GitOps infrastructure (ArgoCD) for seamless resource provisioning as self service across multiple clouds that reduced deployment time by 60% by designing custom platform abstractions using xrd.
- Built a comprehensive observability platform with OpenTelemetry, Prometheus, and Grafana and Kafka for M.E.L.T.

Cisco Mar 2023 – May 2024

Senior Software Engineer

- Led hybrid cloud platform team for PaaS offering on Anthos/OpenShift supporting 500+ internal applications
- Built Cisco's largest serverless platform using Knative, processing 10M+ events daily with Kafka
- Authored 15+ Custom Resource Definitions (CRDs) extending Kubernetes for improved service resilience
- Reduced deployment failures by 45% through mutating admission webhooks for business logic control

Oracle Jul 2020 – Feb 2022

Software Developer 3

- Reduced RCA time by 40% by designing distributed telemetry ingestion layer routing data from thousands of hosts
- Built M.E.L.T aggregation system for SaaS engineering using Fluentbit, Loki, and OpenTelemetry
- Developed scalable monitoring systems with Prometheus and Grafana supporting 5000+ production hosts

PricewaterhouseCoopers Nov 2017 – Jul 2020

Principal Consultant

Teradata Feb 2017 – Nov 2017

Software Engineer 2

Ericsson March 2015 – Feb 2017

Software Engineer

OPEN SOURCE

- **Kubernetes Organization Member** - Upstream [contributor](#) to core Kubernetes projects
- **Falco Security (Former Maintainer)** - Maintained CNCF cloud-native runtime security project for threat detection
- **LFX Mentorship - Devfile Project** - Extended deployByDefault functionality in devfile specification

TECHNICAL SKILLS

Languages:	Go, Python, C/C++, Shell/Bash
Cloud & Infra:	Kubernetes, Docker, GCP, AWS, Anthos, OpenShift, Knative, Azure
DevOps:	GitOps, ArgoCD, Flux, Terraform, Ansible, Crossplane, Helm, CI/CD
Observability:	Prometheus, Grafana, OpenTelemetry, Jaeger, Loki, Victoria Metrics, Kafka
Databases:	PostgreSQL, MySQL, Cassandra, Redis, Oracle, Neo4j

EDUCATION

Indian institute of Technology Kanpur (IIT K) 2025 – 2026

Post Graduation Diploma in Artificial Intelligence and Machine Learning

Jalpaiguri Government Engineering College 2010 – 2014

Bachelor of Technology in Computer Science and Engineering