

# RAJIB MITRA

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## PROFESSIONAL EXPERIENCE

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**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 xrdcs.
- 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

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- **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

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

## EDUCATION

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**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