

Anirudh Mehra

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Professional Summary

Senior backend and platform engineer with 6+ years building reliability-critical cloud infrastructure and managed database services at fleet scale. Strong background in distributed systems, backup and recovery, high availability, workflow orchestration, production debugging, and AI-assisted operational tooling. Combines deep infrastructure ownership with design leadership across service-runtime and control-plane systems, plus practical AI adoption that improves engineering execution.

Experience

Oracle

Senior Member of Technical Staff

Hyderabad, India

Mar 2023 – Present

- Own recoverability and high-availability workflows for Oracle Base Database Service on OCI across service-runtime and control-plane systems supporting **70K+ managed database systems**.
- Serve as the primary escalation point for BaseDB backup and recovery issues, operating fleet-wide workflows on an **hourly cadence** with strong production stability.
- Lead design across service-runtime and control-plane layers for standby backup and restore, cross-incarnation recovery, long-term restore, restore preview, and multi-standby workflows.
- Partner with QA, SRE, database, and infrastructure teams to investigate failures, harden rollouts, and land durable fixes; delivered improvements across **1,200+ engineering tickets** over Oracle tenure.
- Built a **Codex-powered operations agent** for safe multi-step execution across OCI APIs, Linux VMs, and Oracle Database workflows, delivering order-of-magnitude productivity gains for the team.
- Lead team AI adoption and strategy through MCP- and LLM-based tooling, including mentoring development of a retrieval-based assistant for similar-issue discovery and solution guidance.

Member of Technical Staff

Sep 2020 – Mar 2023

- Built and hardened backend workflows for backup and recovery automation, pluggable database operations, and service reliability.
- Shipped features across standby lifecycle, restore automation, recovery-service integrations, object-storage backup flows, and vault-backed credential and key-management paths.

American Express

Data Analysis Intern

Gurugram, India

Jul 2019 – Dec 2019

- Built Python, PySpark, and web applications for analytics and document-processing workflows, including anomaly-detection tooling for transaction datasets with **millions of records**.
- Developed a document transformation pipeline and dashboard interface for structured model documentation workflows, enabling users to run jobs, track processing history, and review generated summaries.

Technical Skills

- **Languages:** Java, Python, SQL
- **Core Engineering:** Distributed Systems, Backend Engineering, Platform Engineering, Workflow Orchestration, API Design
- **Infrastructure:** Cloud Infrastructure, Reliability Engineering, Backup and Recovery, High Availability, Disaster Recovery, Production Debugging, Root Cause Analysis, Linux
- **AI:** LLMs, AI Agents, Model Context Protocol (MCP), Semantic Retrieval, Vector Search
- **Tools:** PySpark, Astro.js

Education

Birla Institute of Technology and Science, Pilani – Goa Campus

B.E. (Hons.), Computer Science, 2016 – 2020