

Subhradeep Saha

+919436946555 | subhradeep_saha@outlook.com | LinkedIn: [Subhradeep Saha](#) | Portfolio: [Subhradeep Saha](#)

SUMMARY

Senior Software Engineer with 4+ years of experience designing and delivering Java services in distributed, security-sensitive cloud environments. Experienced in architecting and delivering Tier-0 production systems, with strengths in high availability, fault tolerance, reliability engineering, observability, and infrastructure automation. Proven ability to collaborate with architects, partner service teams, and security engineers to design and deliver secure backend capabilities. Skilled in leveraging AI-assisted engineering workflows (OpenAI Codex) for code comprehension, refactoring, debugging, documentation, infrastructure automation, and test generation while validating correctness, security, and production readiness.

TECHNICAL SKILLS

Programming Languages

Java, C/C++, Python

Cloud Infrastructure

OCI, Terraform, Docker

Developer Tools

Git, Bitbucket, GitHub, Maven, IntelliJ IDEA, Jira, Confluence

Backend & Testing

REST APIs, Microservices, Dropwizard, Google Guice, JUnit/Mockito, Swagger, Concurrency, Multi-threading

Security & Databases

OCI Vault, Cryptography, Autonomous Database, SQL/NoSQL

CI/CD & Observability

CI/CD, TeamCity, Grafana

PROFESSIONAL EXPERIENCE

Senior Member of Technical Staff, Oracle

Oct 2025 - Present

Tier-0 Service Convergence

- Leading technical contributions in the ongoing convergence of Oracle's legacy Tier-0 internal service with its external counterpart, simplifying architecture, improving maintainability, and enabling long-term platform evolution.

Member of Technical Staff, Oracle

Jun 2022 - Sep 2025

Individual Contributor (IC) in the Secrets Management team - a Tier-0 service within the Security organization of Oracle Cloud Infrastructure (OCI).

Service Disaster Recovery

- Led the end-to-end design and production rollout of Disaster Recovery for a Tier-0 OCI service across 100% of production regions, covering bare-metal and VM deployments and strengthening resilience to power outages, data loss, and service disruptions.
- Authored architecture and design documentation and drove security, privacy, compliance, and engineering reviews; the reference implementation encouraged Disaster Recovery adoption across other Oracle Tier-0 services.

OCI Auto Secret Rotation

- Delivered the global feature launch by building Java validation and continuous-monitoring workflows for real-time failure detection, reducing failure detection time by approximately 90%.
- Automated prerequisite infrastructure with Terraform across Autonomous Database, OCI Functions, Virtual Cloud Network, routing tables, and related dependencies.

Integration with OCI's Network Based Access Control (NBAC)

- Designed and implemented the end-to-end security integration with OCI NBAC, eliminating approximately 100% of redundant READ API calls and improving authorization-path performance and access security.

Project Intern, Oracle

Jun 2021 - Jul 2021

- Developed an in-house browser extension backed by Oracle Vault Service for credential management, reducing reliance on third-party tools while preserving security and operational integrity.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Aug 2018 - May 2022

National Institute of Technology (NIT) Trichy

KEY ACHIEVEMENTS

- Oracle Org-wide Quarterly Spot Award for leading the Service Disaster Recovery initiative.
- Oracle Integrity Hero Nomination for uncovering significant performance issues in OCI NBAC integration.
- HackNITR 3.0 Winner for best use of Auth0 in the HackNITR hackathon. Submission - [link](#)
- Top contributor, NJACK Winter of Code 2020, an open-source contribution program organized by the Computer Science Club of IIT Patna. Facebook post - [link](#)