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Professional Summary

Senior Software Engineer and **Tech Lead** with **6+ years** across **Oracle, Google, and Amazon**, leading **10+ engineers** owning **3 products** and having built **7+ microservices from 0 to 1**. **Senior Bar Raiser / Key Interviewer** at Oracle with expertise in cloud-native Healthcare, Search, and Finance systems, distributed and asynchronous architectures, Machine Learning, and Generative AI.

Work Experience

Oracle

Apr 2024 - Present

Senior Member of Technical Staff (SDE III) | Promoted to Tech Lead (Oct 2025)

Bengaluru (Remote)

- Own architecture, technical direction, delivery, and production readiness across **3** Oracle Health products: MRO Gen2, XR Gen1, and Dex Gen1.
- Built **7+** Java Micronaut microservices from **0 to 1**, evolving medical-record output into a modular Gen2 platform spanning APIs, template management, data extraction, report generation, and the mro-ai-intelligence-service. Proposed modern AI capabilities, including an advanced AI-powered template builder, shaped the roadmap, and aligned product managers and partner teams.
- Scaled the platform to **1M+** daily requests with **p90** latency under **30** seconds; introduced asynchronous fast and slow lanes for roughly **1%** of complex reports taking over **10** minutes, and sometimes hours.
- Led **4** quarterly releases from roadmap to production, scoped work for **5 to 8** engineers, removed blockers, and drove architecture, compliance, monitoring, and operational readiness.
- Served as a primary escalation owner for critical production issues. In one example, brought approximately **1,000**-page reports back within the **30-second** SLA, reduced heap usage by **40%**, improved performance by over **25%**, and drove request-level caching that cut data-extraction time by **60%**.
- Partnered with **25+** cross-functional teams to build reusable reporting capabilities and cut Gen2 onboarding from **2** weeks to under **1** week, a reduction of more than **50%**.
- Led a project involving **3** engineers to deliver Gen1 Report Ingress and **6** APIs in **1** quarter + **1** month vs. **2** quarters planned; enabled WebSphere-to-EJS migration with better performance, stability, scalability, and lower cost.
- Turned **highly ambiguous technical and product scopes** into clear architecture and execution plans across multiple initiatives, including the SI DRZ region build and EHRC modernization program.
- Built the India Clinical Reporting team from scratch and grew leadership scope to **10+** engineers across **3+** products; conducted **100+** interviews, contributed to **25+** hires as a Senior Key Interviewer (Bar Raiser), and mentored and judged **12** OraHacks AI teams.

Google

Sep 2021 - Feb 2024

Software Engineer II

Bengaluru (Hybrid)

- As part of Google's Search India Team, built exam OSRPs and the interactive Exam Quiz, reaching **100M+** educational users on a product serving **1B+** queries per day.
- Migrated Google Search's serving query-understanding architecture from entity-driven to intent-driven through the diOSRP Migration, enabling better Organized Search Result Pages (OSRPs) that answered user intent directly instead of routing users to the traditional **10** blue links; impacted **0.05%** of Search traffic.
- Launched localized Exam OSRP experiences in Hindi, Tamil, and Telugu and designed a scalable Language API to extend Indic-language access across lower-tier cities.
- Collaborated across Search teams to resolve production issues, align requirements, and prioritize high-impact improvements in one of the world's largest monorepos, using C++, Java, Python, Go, gRPC, Protocol Buffers, and Knowledge Graphs.
- Contributed to Google Bard's early model-improvement journey by training and evaluating LLM responses, helping move output quality from unreliable early behavior toward practical usefulness.

Amazon

Jul 2020 - Aug 2021

Software Development Engineer I

Hyderabad

- Built duplicate- and anomaly-detection capabilities for invoice creation and update workflows handling **1 lakh+** daily requests across Amazon's retail, non-retail, and corporate finance systems.
- Implemented **3** anomaly-detection rules using statistical analysis and machine learning, including Isolation Forest; identified over **100M USD** in anomalies within the first month.
- Reduced anomaly reporting latency from **24** hours to approximately **5** minutes through Gandalf-Veritas integration, giving finance teams near-real-time visibility into suspicious activity.
- Built APIs, microservices, dashboards, infrastructure, and CI/CD using Java, Kotlin, TypeScript, Python, Elasticsearch, DynamoDB, Redshift, Coral, Smithy, and AWS CDK.

HackerEarth

Jan 2020 - Jun 2020

Problem Curator Intern

Bengaluru

- Curated and tested algorithmic problems for hiring and internal coding contests at Google, Facebook, Nokia, PayPal, Salesforce, and Infosys, including the nationwide HackWithInfy contest with **167,000+** participants.
- Helped increase Nokia's post-contest Net Promoter Score from **7** to **8** by strengthening problem quality, accelerating issue resolution, and promptly addressing participant queries.
- Presented a **2-day / 10+**-hour Advanced Data Structures and Algorithms workshop at MNIT Jaipur to **120+** attendees on behalf of HackerEarth.

Education

Lovely Professional University
B.Tech. in Computer Science Engineering, Specialization: **Machine Learning**

Jul 2016 - May 2020
Jalandhar, Punjab | CGPA: **9.06/10**

Technical Skills

Languages	Java, C++, Python, TypeScript, Go
Database	SQL (MySQL, PostgreSQL); Key-value (Redis, DynamoDB); Search (Elasticsearch); Graph (Knowledge Graph); Columnar (Amazon Redshift); Object storage (Amazon S3, Azure Blob Storage); AI storage (Semantic DB, Large Semantic Object Storage)
DevOps	Docker, Kubernetes, Terraform, AWS CDK, CI/CD, Jenkins
Cloud	AWS, Oracle Cloud Infrastructure (OCI), Azure Cloud
AI	Generative AI, LLMs, RAG, AI Agents, LangChain, LangGraph, MCP, Scikit-Learn, Isolation Forest
Distributed System	System Design, Microservices, Event-driven and asynchronous systems, Kafka, gRPC, WebSockets
Leadership	Technical Direction, Architecture and Code Reviews, Technical Documentation, Mentoring, Hiring, Cross-team Delivery, Roadmapping

Achievements

Professional & Leadership

- Promoted to **Tech Lead**, owning architecture, delivery, and technical direction for a multi-service healthcare platform with leadership experience across **10+ engineers**.
- **Senior Bar Raiser / Key Interviewer** at **Oracle**; conducted **100+ interviews** and contributed to **25+ hires**.
- OraHacks judge and mentor for **12 AI teams**, guiding projects from proof of concept toward production.
- First student from the university to receive a **direct SDE full-time offer** from **Amazon** during third-year on-campus internship hiring.

Cloud & Technical Certifications

- [Oracle Cloud Infrastructure 2025 Generative AI Professional](#).
- [Oracle Cloud Infrastructure 2025 Certified Developer Professional](#).
- [Oracle Cloud Infrastructure 2024 Certified AI Foundations Associate](#).
- [CodeChef Certified Data Structures and Algorithms Programme \(CCDSAP, Advanced\)](#).
- [Earned 30+ technical certifications](#) across computer science, cloud, and software engineering.

Competitive Programming & Coding Excellence

- Secured **World Rank 1** in CodeChef October Challenge 2018 (Div 2).
- Qualified for **ACM-ICPC Asia Regionals**; secured **85th** rank in Gwalior-Pune regionals, 2018.
- Secured **2nd** rank out of **175 teams** in University Coding Contest at LPU.
- Secured **5th** rank in the national coding contest “ALOHOMORA” at NIT Durgapur.
- Secured **21st** rank in a national coding contest at LNMIIT Jaipur.
- Solved **1000+** problems across major competitive programming platforms.

National Exams & Academic Rankings

- Obtained **99.98 percentile** in eLitmus Quantitative Aptitude.
- Secured **86th** rank among **60,946** candidates in Rajasthan Pre-Engineering Test, 2014.
- Secured **15,550** rank among **1.26 lakh** candidates in JEE Advanced.
- Participated in **3 hackathons**, developing projects in machine learning and web development.

Online Profiles

GitHub		LeetCode : 1811* (Top 10%)		Codeforces : 1813* (Expert)		CodeChef : 2022* (5-Star)
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Personal Projects

[Portfolio Website](#)

Live

Next.js, React, TypeScript, FastAPI, Azure Cloud, Azure Blob Storage, REST APIs

Built a production-ready portfolio platform with login, signup, role-based member and admin workflows, and a hosted backend. It showcases projects at different stages and serves as a learning workspace where I prototype technology-driven solutions to problems worth solving, including the following key projects.

- **Intelligent Report Builder**: AI workspace for creating report templates, reviewing quality, investigating failures, and predicting delivery time.
- **LLM Semantic Query Agent**: Converts natural-language questions into validated SQL with semantic schema retrieval and **90% lower prompt-token cost**.
- **Agentic AI Support**: Automates support workflows using grounded document retrieval and governed backend APIs.
- **Cards Game**: Cross-platform multiplayer Indian card games with reconnect-safe sessions and real-time gameplay.
- **Udhari**: Chat-first peer-lending application with versioned terms, AutoPay, and repayment tracking.
- **CouplesCraft**: Location-aware date-planning application with budget-based ranking, maps, and shared memories.