

Rachit Bhandari

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SUMMARY

Senior Software Engineer with close to 10 years of experience architecting distributed systems, cloud-native microservices and platform services at Oracle OCI. Strong expertise in Java, Spring Boot, Kubernetes, REST APIs, event-driven architectures, asynchronous processing and production reliability. Experienced owning cross-service architecture, designing highly available multi-tenant platforms, driving reliability initiatives, mentoring engineers and influencing platform-wide technical standards across multi-region cloud deployments.

EXPERIENCE

Oracle Corporation (OCI)

Senior Software Engineer (Senior Member of Technical Staff)

Bengaluru, India

Nov 2020 – Present

AI Studio Platform

- Architected **four** Java based control-plane microservices exposing secure REST APIs for AI dataset lifecycle management, notebook integration and event-driven asynchronous task orchestration across multi-region OCI deployments, with infrastructure provisioned and managed using Terraform.
- Redesigned cross-service provisioning workflows with idempotent APIs and forward-recovery mechanisms, cutting customer onboarding timelines by **nearly 80%** and eliminating manual dependencies.
- Designed and implemented a Golang-based force-patching mechanism that temporarily relaxed Kubernetes PDBs during node patching and restored them afterward, enabling near-zero-downtime Compute Target patching and improving overall platform reliability.
- Implemented fine-grained tag-based IAM authorization, enforcing secure multi-tenant access control across platform resources at scale.
- Led observability initiatives - metrics, Grafana dashboards, alerting and canary deployments - improving incident response efficiency and overall system reliability.
- Drove architecture and design reviews across the platform, authored **8+ architecture/design documents**, mentored **5+ engineers**, and influenced platform-wide standards for scalability, reliability and service design.
- Leveraged GenAI-assisted development tools for code generation, debugging, documentation, code reviews and engineering productivity.

Digital Assistant Platform

- Built Java-based microservices and TypeScript-based UI workflows for utterance aggregation, supporting filtering by intent, language, channel and keywords, directly improving model training accuracy.
- Engineered Kubernetes node remediation tooling integrated with Node Problem Detector, reducing manual operational overhead and improving cluster resilience.
- Integrated centralized logging and monitoring to strengthen production debugging, incident response, and system performance analysis.

Healthkart

Software Development Engineer

Gurugram, India

Sep 2018 – Oct 2020

- Designed and developed Spring Boot microservices for the Loyalty Program across retail and digital platforms, deployed on AWS, increasing user engagement by **approximately 4%** and boosting sales by **nearly 9%** through personalized discounts.
- Improved Turnaround Time (TAT) estimation logic on product pages, increasing delivery date accuracy and reducing customer uncertainty at purchase decision.
- Built a Store Locator feature on web and mobile - with product availability, nearby listings, navigation and visit tracking - driving a **7% increase in page CTR**.
- Optimized the B2C checkout pipeline, reducing response times from **4,000ms to ~300ms**, significantly improving barcode scanning speed and inventory management efficiency.
- Integrated Haptik Chatbot APIs to automate customer support workflows, and added Amazon Pay gateway and pay-on-delivery payment option, enhancing payment flexibility and improving checkout completion rates.

Skilrock Technologies Pvt. Ltd.

Software Engineer

Gurugram, India

June 2016 – Sep 2018

- Led development of the Draw Management System (DMS), a core engine powering draw games across terminals, mobile devices and web portals.
- Built scalable Java/Spring Boot applications for deployed games in Zimbabwe and Ghana, handling **10M+ weekly sales** and processing billions in local currency winning claims.

SKILLS

Languages: Java, Python, Golang, SQL

Frameworks & Testing: Spring Boot, Hibernate, JUnit, TestNG

Backend Engineering: REST APIs, Microservices, Distributed Systems, Event-Driven Architecture, System Design, Concurrency, Asynchronous Processing, High Availability, Fault Tolerance

Cloud & Infrastructure: Oracle Cloud Infrastructure (OCI), AWS, Kubernetes, Helm, Docker, Terraform, CI/CD

Databases & Messaging: PostgreSQL, MySQL, Oracle Database, MongoDB, Elasticsearch, Druid, Kafka, Redis, Memcached, Data Modeling, Schema Design

Observability: Grafana, Prometheus, Logging, Monitoring, Alerting, Canary Deployments

CERTIFICATIONS

- OCI Certified AI Foundations Associate - Oracle, Apr 2026
- OCI Certified Foundations Associate - Oracle, Dec 2025

EDUCATION

M.B.M Engineering College, Jodhpur

B.E in Computer Science Engineering

Aug 2012 – June 2016

CGPA: 8.2/10.0