

Parag Kumar Goyal

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TECHNICAL SKILLS

Languages: Java, C/C++, JavaScript, Python

Backend & Frameworks: Spring Boot, Micronaut, Node.js, Express, Apache Camel

Databases: Oracle ATP, MySQL, PostgreSQL, MongoDB, OpenSearch

Cloud & Tools: AWS (S3), Docker, Git, Linux/UNIX, Jest, Cypress

PROFESSIONAL EXPERIENCE

ORACLE | Senior Member of Technical Staff | Sept 2024 – Present

- Architected Oracle's EHRC backend using a pluggable Factory-pattern framework, enabling seamless runtime switching between Vector and Oracle ATP databases while improving query performance by 40% through custom token-based pagination and indexing
- Led cross-functional API integration between Observations and Documents teams to orchestrate data flow for complex semantic objects, ensuring high system maintainability and flexibility across the platform

BRANE ENTERPRISES | Software Engineer | March 2023 – Sept 2024

- Engineered scalable microservices supporting JDBC, gRPC, and FTPS protocols. Optimized JDBC adapters to handle complex stored procedures and triggers, directly enabling the integration of enterprise-scale data requirements

AMAZON | Software Development Engineer | Aug 2021 – March 2023

- Engineered the "Featured Offer Disqualified" widget to drive sales growth for non-standard listings, while simultaneously boosting platform reliability and performance through critical bug resolution and comprehensive Cypress E2E testing suites

INFOSYS | Software Engineer | Aug 2019 – Aug 2021

- Developed a custom parser and cron job for automated product data ingestion, boosting sales by 10% and reducing manual effort

EDUCATION

Malaviya National Institute of Technology (MNIT), Jaipur | 2015-2019

9.34 / 10.0

PROJECTS

[WhizChat](#)

Architected a full-stack real-time chat application integrating **WebSockets** for instant messaging and **Keycloak** for OAuth2-compliant authentication across a **Spring Boot** and **Angular** ecosystem.

[Dynamic Grid Search Simulator](#)

Architected a responsive graph algorithm visualizer in **React** and **TypeScript**, implementing type-safe logic for A and Dijkstra with a maintainable, decoupled UI built on **Tailwind CSS**.

[Prism](#)

Architected a standalone video portal using **React** and the **YouTube Data API**, implementing client-side persistence via **LocalStorage** and robust global state management to deliver a dynamic, backend-less user experience.