

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 Charting team 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 along with basic SQL queries with conditional logic, directly enabling the integration of enterprise-scale data requirements

AMAZON | Software Development Engineer | Aug 2021 – March 2023

- Strengthened platform stability and deployment confidence by architecting comprehensive **Cypress E2E testing suites** to resolve the issue of multiple widget or no widget display and resolving another critical production bug found just before deployment related to incorrect allocation of users to new feature
- Collaborated with PMs and other fellow engineers to add the **"Featured Offer Disqualified" widget** on certain products directly driving sales growth by capturing revenue opportunities from similar non-standard listings.

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.