

# CHIRAG PAGARIA

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Senior Backend Engineer | Python | Cloud | Java | Distributed Systems | Databases | GenAI

## About

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Senior backend engineer with **7+ years** of experience building cloud-native distributed systems, microservices, and high-throughput backend services across **AWS, GCP, and OCI**. Experienced in Python, Java, Django, Nodejs, REST APIs, Databases, and SQL, with **ownership of high-volume transaction processing** and event-driven services handling **3M+** daily orders and **7M+** daily notifications. Builds AI-powered engineering tools for automated validation, anomaly detection, and root-cause analysis, with **exposure to AI tools and MCP integrations** for debugging, automation, observability, and production reliability.

## Technical Skills

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**Languages & Frameworks:** Python, Java, Node.js, Django, Django REST Framework, FastAPI  
**Cloud & Platform:** AWS, GCP, Azure, OCI, Kubernetes, Docker, Terraform, Serverless, Microservices, CI/CD  
**Data & Engineering:** Kafka, Redis, PySpark, SQL, MongoDB, DynamoDB, REST APIs, Pytest, Git, Linux  
**GenAI:** Prompt engineering, RAG, embeddings and vector search, structured LLM outputs, evidence-grounded summarization, LLM evaluation, ML fundamentals  
**Certifications:** AWS Certified Solutions Architect – Associate, Oracle Cloud Infrastructure (OCI) Architect Associate

## Education

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Rajiv Gandhi Proudhyogiki Vishwavidyalaya - *Bachelor of Engineering in Computer Science*

## Professional Experience

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**Oracle** Aug 2025 - Present

*Senior Member of Technical Staff | Forward-Deployed Engineer - SKU Test Automation Platform (STAP)*

- **Architected and built** STAP to automate OCI SKU pricing and usage-based cost validation, **integrating GenAI**-assisted anomaly analysis and automated audit reporting.
- Built an **AI-powered Codex skill** that enriched root-cause analysis with historical trends, suppressed noisy alerts, and automated ticket handling, cutting manual investigation effort by **approximately 80%**.

**Reliance (JioMart)** Jan 2023 - Jul 2025

*Software Development Engineer II*

- Owned JioMart's Order Management and Notification Systems, supporting **3M+ daily orders and 7M+ daily notifications**.
- **Built AI-driven cancellation-abuse detection** for JioMart OMS, combining ML-based risk scoring with GenAI-generated evidence summaries to flag suspicious order patterns for review.
- Led backend scaling decisions for high-traffic workloads, partnering with cross-functional teams.

**Teradata** Mar 2021 - Jan 2023

*Software Engineer | Multicloud Provisioning Automation*

- **Built Python packages** to deploy Teradata Analytics products across enterprise multi-cloud environments.
- **Designed serverless provisioning automation** with AWS Step Functions and Lambda, **cutting provisioning time by 70%**.
- Automated the end-to-end bootstrap process, eliminating manual setup and reducing deployment errors.
- Managed multi-account access for enterprise clients using AWS Organizations.

**Blazeclan Technologies** Jan 2019 - Feb 2021

*Cloud Engineer | Includes a 6-month internship*

*Client engagements delivered under Blazeclan*

### HDFC

- Built a user activity management backend that enabled audits and one-click data access for stakeholders.
- Implemented **automated email notifications for task updates**, reducing meeting overhead and streamlining lead and business-opportunity processing.

### Rio Tinto

- Built a **PDF-to-DynamoDB data pipeline** that streamed extracted data downstream, replacing a fully manual process.
- Designed a serverless architecture that cut infrastructure costs by 30%.
- Set up Jenkins pipelines for faster, more reliable builds and deployments.

### Aditya Birla Finance

- Built a **full-stack Loan Allotment Tracking System** with Django across the frontend and backend.
- **Integrated third-party services, including Ola**, to support measurable client business growth.