Raj Kumar Dutta

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Experience

Accenture   September 2024 – Present
Backend Engineer (Packaged App Developer Sr. Analyst)

- Engineered advanced ETL pipelines leveraging Apache Beam on GCP, enhancing data processing throughput by 40%.

- Automated data ingestion via Cloud Scheduler and Pub/Sub, reducing manual effort by 80%.

- Designed REST-based Spring Boot microservices, cutting deployment cycles by 30%.

- Managed deployment and scaling of services on GCP App Engine with optimized resource use.

- Secured external integrations using Google Cloud Endpoints.

OpenText   November 2021 – August 2024
Cloud Application Consultant

- Built reusable BPM components on AppWorks platform to enhance workflow performance.

- Designed deployment scripts to reduce manual tasks by 70% and ensure reliability.

- Developed Java utilities for L2/L3 production support, cutting response time by 30%.

- Integrated external systems like Microsoft 365 with AppWorks using REST APIs.

Projects

AI Shell CLI — Terminal-Based AI Assistant

- **Tech Stack:** Java, Spring Boot, JLine, Google Cloud Storage, REST API, Tree Data Structure

- **GitHub:** github.com/angKafka/ai-powered-shell

- Developed a Java CLI assistant integrating AI/NLP, reducing command time by 25%.

- Implemented in-memory tree structure for 'cd', 'ls', 'pwd', improving navigation efficiency by 35%.

- Integrated Google Cloud Storage for secure PDF file access.

- Built modular components to separate AI logic, control, and terminal rendering.

Skills

Hard Skills
Languages: Java, Python, Bash
Cloud: GCP, Firebase
Frameworks: Spring Boot, Apache Beam, JUnit
Databases: PostgreSQL, Datastore, Oracle
Tools: IntelliJ, GitHub, Jenkins, Postman, Docker
Messaging/Streaming: Kafka, GCP Pub/Sub

Soft Skills
Problem Solving, Communication
Team Collaboration, Adaptability
Time Management, Agile/ Scrum
Analytical Thinking, Quick Learning

Education

Bachelor of Technology - Computer Science and Engineering   2019
MAKAUT, Asansol Engineering College   Asansol, India