RAJ KUMAR DUTTA

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SUMMARY

Cloud Application Consultant turned Packaged Application Development Senior Analyst with hands-on experience in building ETL pipelines using GCP, Apache Beam, and Spring Boot. Strong foundation in data structures and backend development. Transitioning into software development roles with a focus on scalable systems, clean code, and cloud-native architectures.

SKILLS

Languages: Java	**Cloud:** Google Cloud Platform (GCP)
Frameworks: Spring Boot, Apache Beam	**Tools:** GitHub, Postman, IntelliJ, Jenkins
Databases: PostgreSQL, GCP Datastore	**Messaging:** Apache Kafka, GCP Pub/Sub

EXPERIENCE

- **Accenture**   Sep 2024 – Present
  Backend Engineer (Packaged App Developer Sr. Analyst)   Bengaluru, India

  - Built scalable ETL pipelines on GCP using Apache Beam to process and transform large datasets, increasing processing throughput by 40%.
  - Automated data ingestion via Cloud Scheduler and Pub/Sub, reducing manual effort by 80% and improving job reliability.
  - Developed microservices using Spring Boot and REST APIs, accelerating deployment cycles by 30% for modular backend features.
  - Managed deployment and scaling of services on GCP App Engine, ensuring high availability and optimized resource usage.
  - Exposed and managed secure service endpoints using Google Cloud Endpoints for controlled external integrations.

- **OpenText**   Nov 2021 – Aug 2024
  Cloud Application Consultant   Bengaluru, India

  - Developed scalable, enterprise-grade applications using the OpenText AppWorks Platform, focusing on low-code automation, case management, and secure process orchestration.
  - Automated the client deployment process to AppWorks Platform, significantly reducing manual work and error-prone steps.
  - Designed a custom deployment solution via platform APIs and scripts, resulting in 70% manual effort savings and consistent multi-environment deployments.
  - Built and maintained BPM workflows, custom connectors, and reusable forms to streamline key business processes.
  - Created custom widgets and dynamic UIs that enhanced usability and end-user productivity.
  - Integrated AppWorks with external enterprise systems like Microsoft 365 using REST APIs and service connectors.
  - Provided L2/L3 production support, conducted root cause analysis, and developed Java-based utilities to ensure system reliability.
  - Collaborated in Agile teams to plan, build, and deploy solutions across multiple iterations aligned with business goals.

EDUCATION

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

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

  * Built a CLI-based AI assistant in Java to query PDF documents using natural language, leveraging REST APIs.
  * Designed a tree-structured in-memory file system enabling shell-like navigation ('cd', 'ls', 'pwd').
  * Integrated with Google Cloud Storage for secure PDF access using service account authentication.
  * Implemented modular architecture (AI, controller, algorithm) for scalability and maintainability.
  * Utilized ProcessBuilder to support Linux-style commands, enhancing the user experience.