

# Raj Dutta

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## Education

**Asansol Engineering College**, B.Tech in Computer Science and Engineering August 2015 – July 2019

- DGPA: 6.74
- **Coursework:** Programming Fundamentals, Data Structures and Algorithms, DBMS and core computer science syllabus.

## Work Experience

**Full Stack Cloud Developer**, Accenture – Bengaluru, KA September 2024 – present

- Collaborated on the development of an ETL GCP dataflow pipeline project utilizing Java with Apache Beam on Google Cloud Platform, integrating Pub/Sub for real-time data processing.
- Assisted in implementing minor enhancements to optimize data extraction, transformation, and loading processes, improving overall system performance.
- Leveraged Google Cloud Datastore for efficient data storage solutions, ensuring data integrity and accessibility.
- Configured and managed Cloud Scheduler and cron jobs for automated task execution, streamlining ETL workflows and minimizing manual intervention.

**Cloud Application Consultant**, OpenText – Bengaluru, KA November 2021 – August 2024

- Proficient in writing, analyzing, reviewing, and rewriting programs, leveraging extensive knowledge of computer capabilities and relevant subject matter.
- Hands-on experience with Spring Boot, MVC, Maven, Service-Oriented Architecture (SOA), RESTful web services, microservices, Core Java, Object-Oriented Programming (OOP), and Docker.
- Developed, deployed, and integrated microservices on AWS EC2, optimizing performance and scalability.
- Familiar with Eclipse and Spring Tool Suite (STS) for efficient Java project development.
- Strong analytical, coding, and debugging skills, with a solid understanding of the Software Development Life Cycle (SDLC) in Agile environments.
- Collaborated effectively with cross-functional teams to address bug fixes and implement feature enhancements.

**Software Engineer**, Test Yantra – Bengaluru, KA October 2020 – October 2021

- Developed and maintained features for test automation enhancements, ensuring quality and efficiency in software testing processes.
- Demonstrated strong teamwork abilities, perseverance, and a quick learning aptitude, adapting effectively to new challenges and responsibilities.
- Gained valuable insights into Agile/Scrum development processes, contributing to iterative project delivery and continuous improvement.

## Projects

**OpenText AppWorks / Process Suite / Cordys**

- Led the design and implementation of feature enhancements and bug fixes, utilizing a systematic approach to improve application functionality and user experience.
- Developed REST APIs for core product components, including identity management, streamlining integration and improving system interoperability.
- Diagnosed and resolved product functionality issues through rigorous testing and analysis, significantly enhancing system reliability and user satisfaction.

- Deployed and integrated microservices on AWS EC2, ensuring a scalable architecture capable of handling increasing user demands.
- Implemented an efficient search functionality leveraging tree depth-first search (DFS) algorithms, greatly improving the data retrieval process and user navigation within applications.
- **Impact:** The enhancements led to a notable increase in user satisfaction and productivity, reducing the time needed to access critical information and improving overall application performance.
- **Technologies Used:** Java, Spring Boot, AWS EC2, REST APIs, Microservices, Jenkins.

## Technologies

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**Data Structures and Algorithms**

**Programming Languages:** Java

**Frameworks:** Spring Boot, Apache Beam

**Databases:** Postgres, Oracle, GCP Datastore

**Tools:** Jenkins, Postman

**Messaging Systems:** Apache Kafka

**Web Servers:** Apache Tomcat