Rupanjal Dasgupta

CONTACT

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📍 Iselin, NJ 08830

SKILLS

- Applications: Microsoft Office Suite, Putty / WinSCP, Service Now, Rally, Eagle Eye, Corp Admin, Bit-Bucket, GitHub, SharePoint, Jira, Jenkins (orchestration, pipeline, job scheduling), Artifactory, Docker, Eclipse, PyCharm/ Jupiter Notebook, Adobe Acrobat, Tableau
- Languages: Python, Java, Groovy, SQL, PL/SQL, Java Script, Shell Script
- Databases: MySQL, Oracle, SQL server, AWS
- Internet Tools: HTML, XML, JSON, YML
- Testing Tools: Selenium IDE / WebDriver, Cucumber, Soap UI, Rest API integration / testing
- Cloud environment: AWS – (S3, Lambda, EC2, IAM, Glue, Redshift etc.)
- Other expertise: Agile SCRUM, Continuous integration / deployment / testing, backend Data Analysis and documentation

PROFESSIONAL SUMMARY / OBJECTIVE

I have around 7 years of experience as a Software Engineer building production solutions using Python, Java, SQL, AWS, and CI/CD pipelines. I've designed and maintained data-driven backend workflows, automated deployments with Jenkins, and supported mission-critical applications for large enterprises such as CVS Health, Sarepta Therapeutics, and Johnson & Johnson. I work daily in Agile teams, contribute to code reviews, and enjoy improving existing codebases as much as building new features. I'm excited about the opportunity to bring this background to Software Engineer role and help build test driven reliable, scalable technology.

Software Engineer   Jan' 2023 – Sep'2024
CBTS

- Partnered with CVS Health's system teams to design and optimize data engineering pipelines across Glue, Redshift, and S3, ensuring high data quality and operational efficiency. Automated end-to-end retail data workflows using AWS services, improving timeliness and accuracy of analytics delivery.
- Performed data validation and consistency checks, reducing discrepancies across multiple sources, enhancing data governance and stakeholder confidence in reports.
- Collaborated with cross-functional business teams to understand pick& pack and point of sale system processes and translated needs into development / support deliverables.
- Developed and optimized complex SQL queries for backend development
- Applied Python for SQL API integration of retail order and customer behavior data to identify performance trends.
- Managed testing and rollout phases by supporting functional testing and user acceptance testing (UAT) to ensure analytics solutions met business requirements.
- Collaborated with Agile teams using Rally to document enhancements, track issues, and facilitate sprint planning for continuous integration and continuous deployment
- Contributed to a culture of retail systems adoption by documenting processes and mentoring team members on system process usage and data quality practices.

Software Engineer   Feb' 2021 – Aug' 2022
Verista, PA

- Leading member of the team for AWS validation, ensuring data integrity for Sarepta and Eli Lilly. Designed data requirement for configuration parameters of different data storage for different applications. – (a)Automated data management tasks through Python, cutting down processing time, (b) Performed comprehensive data checks and validated ETL summary reports, ensuring the conformance of millions of Data records, (c) Developed and enforced stringent data quality control metrics, improving overall data accuracy.
- Streamlined Jira workflows, enhancing project efficiency.
- Implemented standard policies, improving operational consistency.
- Resolved data discrepancies, boosting accuracy and reliability.
- Software used: AWS environment, Jira, EXCEL

EDUCATION

Bachelor of Art in Information Technology
January' 2017
Rutgers University, NJ, USA (GPA 3.631/4.0)

CERTIFICATIONS

- IBM Data Analyst Professional Certificate,
  Coursera, August' 2022
- Google Prompting Essentials,
  Coursera, April' 2025
- Google AI Essentials, Coursera, May' 2025
- IBM AI Developer, In Progress
- AWS Cloud Technical Essentials,
  In progress

Volunteer Software Engineer   Apr' 2020 – Feb' 2021
Systanix Corp., NJ

- Actively participated in virtual consulting for payroll system, ensuring software quality with SQL data analysis. Developed data model for integrating payroll with the affordable care act system.
- Enhanced test coverage through automated scripts, improving system reliability.
- Utilized SQL Server, excel, html, Java and Selenium for comprehensive testing traceability.
- Analyzed the opportunity to improve the system integration processes for better and concise Management Reports
- Identified and resolved software issues, contributing to seamless system integration.
- Delivered improvements in software functionality / data accuracy.
- Software used: SQL Server, EXCEL, Java / C#, HTML, Selenium IDE / WebDriver, Cucumber, Soap UI, Tableau

Software Engineer   July'2017- Mar'2020
Tata Consultancy Limited, USA

- Consulted on data projects for J&J using AWS, SQL, Python, Groovy, Java and Hadoop, enhancing data accuracy and system integration.
- Verified the data load job in hive which was extracted from S3 data stores. Also involved in a project for big data workflow automation testing
- Developed automated Tableau dashboards, optimizing deployment processes. Used SQL heavily.
- Merged code changes to maintain integrity, ensuring seamless deployment and functionality.
- Spearheaded CI/CD pipeline customization, leveraging Jenkins, Python and Shell Scripts to streamline development processes.
- Implemented SCRUM for agile development, improving project delivery timelines and team efficiency.

Research Assistant   Jan'2017- July'2017
Rutgers University, NJ, US

- Conducted research on fake news detection using Python, LIWC, Tableau, and NLP-based text analysis.
- Scraped and cleaned raw data, created dashboards and visualizations, and co-authored academic publications.