



Highlights

- 9+ years **IC and Management** Experience
- Dual Master's degree (**IT + MBA**)
- Outstanding stakeholder management, leadership, and communication abilities
- Self-motivated and quick learner
- Zeal to derive meaningful information from Data sets
- Strong problem-solving abilities
- Proven expertise in leadership, Data Engineering and Analytics
- Diverse analytical skills and dedicated individual with good time management and multitasking ability.
- Entrepreneur/Founder: HR consulting Job-Emitter, Chandigarh, India, 2008 – 2012



Education

Masters in business & Information System

New Jersey Institute of Technology, NJ
May 2015 GPA: 3.85

Masters in Personnel Management

SNDT University, Mumbai, India
May 2006 GPA: 3.5



Certification

- **Pursuing:** Rutgers -Bootcamp – Full Tech Stack
- Nanodegree in Streaming Services using Kafka and Scala
- **Certified:** Python for Data Science
- **Certified:** AWS Developer Associate
- **Certified:** Developer on Apache Cassandra: License V2.1-0746
- Agile Certified
- **Research** Work on Drones has been recognized by NJ Homeland Security

RUCHI AGARWAL

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Fair Lawn, NJ

PROFESSIONAL EXPERIENCE

Warner Bros. Discovery

July 2018 – Ongoing

Tech Lead, Data Engineering (Growth)

- Creating a new team for the CNN Growth platform to put into practice the solutions that encourage user registration and participation in CNN Newsletters and the website
- Working on end to end Messaging & Newsletter Architecture
- Configuring the Data Warehouse architecture for CNN Growth platform to make the most of the tech stack
- Defining the Product and Development team's OKRs in collaboration with numerous internal and external stakeholders
- Providing an end-to-end workflow/pipeline solution and providing direction to meet user requirements
- Defined, developed, configured, and executed an appropriate architecture for integrating data from several, disparate data sources, such as Web Services, relational databases, flat files, and spreadsheets, to cloud-based and on-premises databases. Consequently, offering end-to-end solutions and assistance for data collecting, transformation, and the development of data marts used to provide business reports for a variety of Projects
- Designed, developed, and implemented **CCPA+GDPR+IRR+CPRA (for 2023)** process to suffice Governance and Data privacy requirements
- Establishing guidelines for DBT model design to preserve data lineage and consistency across diverse projects
- Setting up a Data Validation and QA process to detect any discrepancies and failures at the point of ingestion and troubleshoot them within a standard acceptable time frame
- Mentoring team on ETL standards and processes and Snowflake best practices to improve process performance and lower compute and storage costs

NextEra Energy Resources

July 2015- July 2018

Lead – Data Engineering

- Served as the technical lead for a SolarBI power generation project
- Consult with the company to comprehend its needs
- Handled start to finish Informatica requirements (Analysis, Development, and QA)
- Analyzed, defined, designed, configured, and implemented a suitable architecture for data integration from Multiple, Disparate data sources (including Web Services, Relational Databases, Flat Files, and Spreadsheets) to Oracle 10g environment
- Research, planning, creation, implementation, and upkeep of Moderate to Complex Initial Load and Incremental Informatica mappings and workflows to supply data for Data Warehouse
- Used Java code, .Net code, the application Ignition, Informatica, etc. to work on data acquisition
- Worked on Machine Learning tool Watson

Technical Skills



- **AWS Services** – IAM, code build, S3, EC2, AWS Glue, Redshift, SNS, SQS, PostgreSQL
- Snowflake
- Oracle-PL/SQL
- **ETL tools** – Snaplogic, Informatica
- **Scheduling tools** – Airflow, Tidal
- **Machine Learning** – IBM Bluemix Watson, Kira
- **Network tools** – Wireshark, RapidMiner
- Cassandra Developer

- Have fair experience acquiring data from a variety of sources, such as SCADA, OPC servers, PLCs, and Web API
- Used a comprehensive disaster recovery plan during Hurricane IRMA
- Worked on various Lambda functions utilizing Python code to convert existing PL/SQL processes into AWS micro services, including IAM, VPC, S3, API Gateway, Lambda, Dynamo DB, RDS, EC2, PostgreSQL, Redshift, and EMR

Comcast

Feb 2015 – July 2015

Data Analyst:

- Created a variety of straightforward and sophisticated Informatica codes for loading, transforming, and extracting data
 - Developed ETLs for data collecting and loading data into database tables in accordance with the business requirements
 - Developed and designed mappings in Informatica to load data from source systems
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- Created test cases and participated in system integration testing and unit testing
 - Tracking daily operations for various data loads and fixing problems
 - Writing standards-compliant, high-quality code that is fully documented
 - Used SQL queries to analyze the data and supplied reports for further action
 - Examined, tested, and documented any potential benefits and drawbacks of using a new tool. SECOPS
 - Worked with ArcSight, CADA, Jira, Active Directory, BMC, PGP, Order path, and RSA
 - Offered tier-1 incident response analysis and support
 - Contributed to the department's WiKi pages detailing the various procedures
 - Conducted GAP analyses for the processes that analysts now carry out

NJIT Vizzical LLC

March 2014 – July 2014

Research & Development:

- Data Acquisition from numerous sources including internet data using programs like Informatica and Java.
- Presented several ideas for building the market for a forthcoming app. dealt with database maintenance, restructuring, recovery, capacity planning, performance statistics, and system utilization challenges
- Collected and examined data from several popular apps, including Facebook, WhatsApp, and others. Accordingly, a plan was formed, and a PHP website for the app and accounts on Facebook, Twitter, and Instagram were created
- Developed requirements, design, setup, and unit testing documentation
- In charge of analyzing and carrying out change requests
- Resolved issues by monitoring daily processes for various data loads