

Shreekar Jayaram

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SUMMARY

- Seasoned Data Engineer adept at developing and managing AWS data pipelines, optimizing processing efficiency, and ensuring data reliability using S3, Athena, QuickSight, DynamoDB, CUR, DataDog, and Amazon Q.
- Skilled in crafting interactive dashboards in QuickSight to empower data-driven decision-making, enhancing operational efficiency by 20%.
- Proven track record in cost optimization and infrastructure reliability through AWS CUR for cost analysis and DataDog for proactive monitoring, achieving significant reductions in AWS costs and downtime.

EDUCATION

Master of Science in Business Analytics, Wichita State University, Kansas, USA.

Aug 2023

Bachelor of Engineering in Computer Science, Visvesvaraya Technological University (VTU), India

June 2017

CERTIFICATION

[AWS Certified Cloud Practitioner](#)

October 2023

SKILLS

Programming Languages: Python, SQL, R, Java **Data Analysis and Visualization:** Excel, Matplotlib, Seaborn, Tableau, Power BI **Databases:** SQL Server, DynamoDB, Neptune **Statistical Analysis:** Regression, Hypothesis Testing
Cloud Technologies: AWS (QuickSight, DynamoDB, Cost and Usage Management, S3, Athena), Azure, GCP Development
Development Tools: Git, CI/CD Pipeline Automation (Jenkins, Control-M) **Web Technologies:** REST API, XML, JSON
Big Data Frameworks: Hadoop Distributed Frameworks **IoT:** IoT Data Handling **Monitoring and Logging:** Datadog
Project Management: MS Project

EXPERIENCE

Industrility, Seattle, USA - Data Engineer

January 2024 - Present

- Developed and managed robust AWS data pipelines incorporating S3, Athena, QuickSight, DynamoDB, Cost and Usage Management (CUR), DataDog, and Amazon Q, resulting in a 30% reduction in data latency and significantly improving processing efficiency and reliability.
- Designed and implemented interactive dashboards in QuickSight for data visualization and analysis, empowering stakeholders to make data-driven decisions swiftly. This initiative boosted operational efficiency by 20%.
- Leveraged AWS CUR data exports for comprehensive cost analysis, optimization, and reporting, leading to a 25% reduction in monthly AWS costs through resource optimization and efficient usage strategies.
- Implemented proactive monitoring and alerting systems using DataDog, ensuring the health and performance of data pipelines. This effort reduced downtime by 40% and enhanced overall data infrastructure reliability.
- Collaborated across teams to gather requirements, define project scopes, and deliver high-quality solutions, enhancing team productivity by 15% and ensuring projects were completed on time and within budget.

Western Digital, Bangalore India – Data Analyst

Jan 2019 - Dec 2021

- Analyzed and visualized large datasets using Tableau, Power BI, and Excel, providing insights that increased sales by 10%.
- Conducted advanced statistical analyses and predictive modeling using R and Python, improving inventory turnover by 22%.
- Led projects on sales performance, customer segmentation, and product analysis, resulting in a 15% increase in customer engagement and product improvements.
- Automated data extraction and reporting processes with Python, reducing routine task time by 40% and enhancing data accuracy.
- Trained team members on data tools and ensured data governance compliance, fostering a data-driven culture and improving data management practices.

Nth Dimenzion, Bangalore, India – Junior Data Analyst

Jan 2018 – Dec 2018

- Enhanced ERP system data quality by collaborating with cross-functional teams to address data issues, leading to a significant improvement in data reliability and accuracy.
- Designed and implemented data visualization solutions, resulting in a 15% increase in data accessibility for ERP users, making data reporting more accessible and actionable. Interpreted data with Redshift, Oracle and NoSQL.
- Ensured data integrity within ERP databases through comprehensive data validation and cleansing processes, achieving a 95% error-free data set and providing timely data support to end-users, contributing to a 90% reduction in reported data issues and optimizing ERP system performance.

ACADEMIC PROJECTS

- Enhanced Freddy's USA efficiency by 15% through data analysis and ML implementation.
- Developed highly accurate (85%) predictive models for early Brain Stroke detection. [GitHub](#)
- Hosting a Live Concert Event (Project Management): [GitHub](#)
- [Tableau Electricity Analysis](#): Identified consumption patterns, leading to a 5% reduction in energy costs for Texas businesses.
- Stock Market Analysis: Real-time analysis, identifying high-potential stocks outperforming market averages by 12%. [GitHub](#)