

Harsh Daiya
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SUMMARY

Experienced Senior Data Engineer with over 8 years of expertise in building and maintaining robust data pipelines using Python, SQL, Airflow, and data modeling techniques. Proficient in designing and implementing scalable data architectures that enable efficient data processing and analysis. Skilled in collaborating with cross-functional teams to identify and solve complex data-related challenges. Adept at optimizing ETL processes and ensuring data quality and integrity. Passionate about staying up-to-date with the latest technologies and tools in the data engineering field.

WORK EXPERIENCE

- **Braintree, A PayPal Company** Omaha, NE
Sr. Data Engineer - MTS *Aug 2017 - Present*
 - Leading a team to build out data observability using Airflow + Splunk/SignalFX for critical partner facing reports ensuring we meet data quality and defined SLA's
 - Leading cross-functional collaboration between Product, Risk, and upstream data dependencies for the Business Risk platform.
 - Build and maintain pyspark batch jobs running on EMR clusters supporting the Business Risk application.
 - Monitored pipeline performance and proactively addressed issues to ensure data accuracy and pipeline efficiency.
 - Proven ability to design, develop and maintain data pipelines, data lakes and data warehousing solutions.
 - Implemented Airflow workflows to automate ETL processes and enable efficient scheduling and monitoring of data pipelines with security and compliance best practices..
 - Successfully on-boarded and mentored new engineers to ensure their seamless integration into the team.
 - Proficient in utilizing Terraform for automating the provisioning and management of AWS infrastructure and services, and skilled in deploying and scaling data engineering workloads using Docker & Kubernetes in a CI/CD environment.
 - Strong understanding of data governance, security, IAM and compliance best practices in AWS environment.
 - Proven ability to monitor and optimize performance of data pipelines and systems.
 - Leading the effort of migration from Redshift to BigQuery as part of Data-lake consolidation.
 - Strong understanding of data modeling, data warehousing and ETL best practices.
 - Collaborating with the Global Data Science team to develop a risk classification model with a feedback loop, resulting in reduced false positives and increased efficiency for Risk Analysts.
 - Leading the migration from AWS Redshift to Google BigQuery for the Business Risk application, as part of a broader unification initiative projected to save approximately **\$7 million** annually. Coordinating with cross-functional teams to ensure a seamless transition and minimize disruption to business operations.

- **PayPal Inc** Omaha, NE
Business Intelligence Engineer *May 2015 - Jul 2017*
 - Managed and maintained a suite of Tableau dashboards, reports, and data jobs featuring key performance indicators for a 300-person Professional Services organization at PayPal.
 - Managed and optimized web analytics for developer.paypal.com, a website with millions of monthly active users, to drive insights and improve user experience.

- Conducted a successful proof-of-concept for a Merchant Churn prediction model, seeking funding and approval from internal stakeholders after presenting the findings.
- Worked with Salesforce Service Cloud to analyze customer data and provide recommendations for improving customer experience.
- Extensive experience in Salesforce.com setup, Configuration, Customization, Administration(Certified id - 19656693), Data Migration & Mapping, and Integration.
- Built and deployed a self-service Merchant support chatbot using Watson to increase NPS score by 40%

EDUCATION

- **University of Nebraska** Omaha, NE
Master of Management of Information Systems; GPA: 3.9 *Aug. 2012 – May. 2014*
- **Mumbai University** Mumbai, India
Bachelor of Engineering in Information Technology; GPA: 3.66 (9.15/10.0) *Aug. 2008 – July. 2012*

PROJECTS

- <https://harshdaiya.com>: Professional personal website showcasing my skills, experience, and portfolio as a data engineer. Includes quantifiable achievements, testimonials and contact details.
- <https://blog.harshdaiya.com>: Personal blog that demonstrates my expertise in data engineering through technical articles, tutorials, and industry insights

PROGRAMMING SKILLS

- **Languages:** Python 3.x, JavaScript, SQL
- **Technologies:** AWS, Kafka, Airflow, MWAA, EMR, Athena, Redshift, BigQuery, Docker, Kubernetes, Spark