

MATT BOEGNER

DATA ENGINEER



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OVERVIEW

Data Engineer with varied experience in cloud services and a demonstrated ability to guide teams through complexity while streamlining large-scale technical implementations.

Certifications



AWS Certified Solutions Architect – Associate, 2017



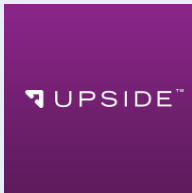
CompTIA Network+, 2016
CompTIA Security+, 2016

Skills & Expertise

AWS (Redshift, Kinesis/Firehose, S3, DynamoDB, EMR, SQS)
Snowflake Computing
Looker | Matillion ETL
Agile Methodology

Google Cloud (BigQuery, Firebase)
SQL | PostgreSQL | MySQL
Python | Hive | Spark
Linux | Git | Terraform
Oracle (ODI, OBIEE, WebLogic)

Professional Experience



Data Engineer | 2017- Present

- Build robust infrastructure for a startup travel company that ingests over 3TB of flight/hotel inventory data on a daily basis
- Integrate internal and external data sources, including website, mobile app, and marketing data streams
- Develop an easily-accessible platform for analytics and data science applications, including machine learning projects

Architecture Spotlight

- Migrated our primary data warehouse from Redshift to Snowflake Computing in less than two weeks, saving the company over \$20,000 per month while improving performance
- Work with engineering teams utilizing an advanced CI/CD and IaC model, including Slack-based deployments

Data Science Spotlight

- Design Spark & Snowflake integrations utilizing query pushdown, allowing Spark-based machine learning libraries to leverage Snowflake's processing power and performance optimizations
- Build automated Hive/EMR jobs to populate a Parquet-based data lake



Consultant, ETL Developer | 2014-2016

- Developed custom ETL tools for a large-scale data warehouse implementation for a manufacturing client
- Created web-based reports to inform business decisions with near real-time manufacturing data
- Streamlined cross-functional communication, proposed and rolled out Slack platform to all ~70 project members
- Pioneered a five-week, ten-course training program for new analysts; shared across practice as it was first of its kind

Educational Background



B.S. in Systems Engineering, Minor: Engineering Business

- President - International Council on Systems Engineering at U.Va. (INCOSE)
- Founder of Zero-Waste Athletics, a multi-year sustainability initiative with over 17,500 aggregate attendees
- TA for Earth Systems Technology & Management

Projects & Interests

mattboegner.com | Personal and professional website with tech, travel, and policy commentary

Estonian e-Resident | Location-independent access to EU company formation and banking services