



CHARLIE BROOKE O'HARA

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TECHNICAL SKILLS

AWS
KINESIS
GLUE
LAMBDA
STEP FUNCTIONS
ATHENA
REDSHIFT
DYNAMODB
SAGEMAKER

PYTHON
PYTEST

SQL

SPARK
HADOOP

LINUX CLI
BASH SCRIPTING

GIT

PROFESSIONAL SUMMARY

AWS Certified - Data Analytics Speciality, Solutions Architect Associate. Senior Data Engineer experienced with building real-time and batch data pipelines with AWS server-based and serverless infrastructure. Self-starter who is quick to learn new technologies and capable of building applications with little guidance. Loves to share knowledge and author of technical blog posts with over 40K total views. Always ready to jump in and help the team, and consistently provide excellent service to stakeholders.

EXPERIENCE

Senior Data Engineer - Life360

San Diego, CA/Remote — May 2019 - present

- Develop and maintain real-time streaming pipelines that deliver data to third party partners within 30 seconds, which generates 15% of company revenue
- Lay the groundwork with a newly established team responsible for ingesting terabytes of data and billions of events per day into a fresh data lake while managing a data warehouse containing petabytes of data
- Collaborate with the Data Science team to make their machine learning process output available in the form of an API to be consumed by the main production application
- Build data pipelines to flow events from external partners into the data lake to provide rich data sets for our analysts
- Educate and empower coworkers to take advantage of our new data ecosystem

Data Software Engineer - Verve

San Diego, CA/Remote — July 2017 - May 2019

- Built an automated data pipeline to ingest third-party data from multiple partners and merge with internal data sets generated by the Data Science team to create user profiles
- Wrote Bash scripts to launch ad-hoc Hadoop Streaming, Apache Pig, and Snowflake jobs to automate operational processes in order to streamline delivery
- Worked with a team to establish a workflow for building, distributing, and ultimately executing against Python and Java code artifacts within our ecosystem
- Actively involved in the interviewing, training, and mentoring of a junior engineer

Big Data Engineer - Algebraix Data

San Diego, CA — February 2017 - July 2017

- Built and ran Spark SQL and PySpark applications in an AWS EMR cluster to test proprietary query acceleration algorithm against TPC-H and TPC-DS benchmarks
- Wrote Bash scripts to facilitate product installation on variety of operating systems
- Wrote Python scripts for general automation and log analysis

Quality Assurance Engineer - Grizzly

San Diego, CA — September 2016 - February 2017

- Setup and built client WordPress applications leveraging Docker
- Wrote PHPUnit tests that were integrated with a continuous integration tool
- Wrote Python scripts for data mining, cleaning, analysis, and transfer

EDUCATION

University of California, Santa Barbara - Bachelor's - Biology