



# CHARLIE BROOKE O'HARA

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## TECHNICAL SKILLS

AWS  
LAMBDA  
KINESIS  
SQS  
GLUE  
ATHENA  
REDSHIFT

PYTHON  
PYTEST

SQL

SPARK  
HADOOP

LINUX CLI  
BASH SCRIPTING

GIT

## PROFESSIONAL SUMMARY

Software engineer experienced with building data pipelines with AWS infrastructure and writing Python and Bash scripts for automation. Earned a 92% on the AWS Certified Solutions Architect Associate exam, proving a strong ability to absorb and retain information. 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 30K total views. Always ready to jump in and help the team, and consistently provide excellent service to stakeholders.

## EXPERIENCE

### Data Engineer II - Life360

San Diego, CA/Remote — May 2019 - present

- Lay the groundwork for data engineering with a newly established team responsible for ingesting 3TB of data and 3 billion events per day into a fresh data lake while managing a data warehouse containing 1/2PB of data
- Work with a team of engineers and analysts to consolidate our events system infrastructure to leverage AWS native services
- 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 audience data from multiple partners to better understand our users
- Managed a pipeline of Spark jobs leveraging Python's Luigi module
- 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