



CHARLIE BROOKE O'HARA

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TECHNICAL SKILLS

PYTHON
PYTEST

AWS
KINESIS
KAFKA
LAMBDA
GLUE
ATHENA
DYNAMODB

REDSHIFT
SNOWFLAKE

STEP FUNCTIONS
AIRFLOW

CDK
CLOUDFORMATION
TERRAFORM

SQL
DBT

SPARK
HADOOP

LINUX CLI
BASH SCRIPTING

GIT

PROFESSIONAL SUMMARY

AWS Certified - Machine Learning Specialty (2022), Data Analytics Specialty (2020), Solutions Architect Associate (2017). Senior Data Engineer experienced in building real-time and batch data pipelines processing billions of records and events per day with AWS serverless and server-based infrastructure. Consistently praised for distilling complex technical information into easily understandable concepts. Loves to mentor aspiring and developing engineers. Always ready to jump in and help the team, and consistently provide excellent service to stakeholders.

EXPERIENCE

Senior Data Engineer - Zapier

Remote — August 2021 - present

- Collaborating with a team of engineers to address technical debt by modernizing the company's data stack, resulting in improved system performance and stakeholder trust
- Leveraging AI technology to pioneer novel automation methods, significantly reducing manual labor, and optimizing operational efficiency
- Proactively educating colleagues about machine learning, showcasing its innovative capabilities, and enabling folks to harness its novel capabilities
- Actively advocate for a diverse and inclusive workplace culture by participating in the company's LGBT+ employee resource group

Senior Data Engineer - Life360

San Diego, CA/Remote — May 2019 - July 2021

- Played an integral role in establishing the company's inaugural data engineering team, collaborating closely with two senior data engineers to lay the foundations for success
- Developed and maintained real-time streaming pipelines that delivered data to third-party partners within 30 seconds, which generated 15% of company revenue
- Built a solid foundation to support the ingestion, processing, and analysis of terabytes of data and billions of events per day
- Educated and empowered coworkers of varying technical skill levels to take advantage of our new data ecosystem by providing documentation and training sessions

Data Software Engineer - Verve

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

- Architected and implemented an automated data pipeline, seamlessly ingesting third-party audience data from multiple partners, leading to enhanced advertising targeting efficacy and increased success rates
- Wrote Python and Bash scripts to launch Hadoop Streaming, Apache Pig, and Snowflake jobs to automate operational processes in order to streamline delivery
- Actively involved in the interviewing, training, and mentoring of junior data engineers

Big Data Engineer - Algebrax 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 algorithms against TPC-H and TPC-DS benchmarks
- Developed Python and Bash scripts to streamline product installations, while also providing comprehensive automation solutions for various operational requirements

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