CHARLIE BROOKE O'HARA

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TECHNICAL SKILLS

PYTHON
PYTEST

AWS
KINESIS
MSK - KAFKA
LAMBDA
GLUE
ATHENA
DYNAMODB
API GATEWAY

SAGEMAKER
OPENAI
LANGCHAIN

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 serverless and server-based infrastructure. Collaborates with data scientists to create, deploy, and maintain machine learning models and related infrastructure. Consistently praised for distilling complex technical information into easy-to-understand concepts. Always ready to jump in and help the team, and 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
- Collaborate with data scientists to create machine learning models using Sagemaker and make them accessible for real-time consumption using API Gateway
- Built a solid foundation to support the ingestion, processing, and analysis of terabytes of data and billions of events per day using AWS serverless technologies
- 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 a process that seamlessly ingested third-party audience data from multiple partners, leading to enhanced advertising targeting efficacy
- Collaborate with data scientists to create machine learning models and make them available for batch consumption in S3
- Wrote Python and Bash scripts to launch Hadoop Streaming, Apache Pig, and Snowflake jobs to automate operational processes in order to streamline delivery

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 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