CHARLIE BROOKE O'HARA

San Diego, CA

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TECHNICAL SKILLS

PYTHON
PYTEST

JAVA

SPARK
HADOOP
PIG

SQL

BASH
LINUX CLI

DOCKER

RUBY
RUBY ON RAILS
RSPEC

HTML
CSS
JAVASCRIPT

GIT

PROFESSIONAL SUMMARY

Data engineer responsible for creating distributed AWS infrastructure, building Hadoop MapReduce and Apache Spark SQL and PySpark applications, and writing Python scripts for automation. Quick to learn new technologies and capable of creating functional applications with little guidance. Always ready jump in and help the team, and consistently provides stellar service to stakeholders. Earned a 92% on the AWS Certified Solutions Architect Associate exam, proving a strong ability to absorb and retain information.

EXPERIENCE

Data Operations Engineer, Verve
San Diego, CA — July 2017 - present

- Build Hadoop MapReduce applications that use metadata in a MySQL database to identify new AWS S3 or SQS input to process and create critical datasets that are then published to appropriate downstream consumers
- Write Python scripts to automate operational processes to streamline delivery
- Worked with a team to establish a workflow for building, distributing, and ultimately executing against code artifacts within our ecosystem

Big Data Engineer, Algebraix Data
San Diego, CA — February 2017 - July 2017

- Built and ran Spark SQL and PySpark applications in AWS EMR to test proprietary query acceleration algorithm against TPC-H and TPC-DS benchmarks
- Wrote bash scripts to streamline product installation in a variety of environments
- Wrote Python scripts for general automation and log analysis

Quality Assurance Engineer, Grizzly
San Diego, CA — January 2016 - February 2017

- Setup and built client Wordpress applications using Docker
- Wrote PHPUnit tests and configured continuous integration tool Wercker
- Wrote Python scripts for data mining, cleaning, analysis, and transfer

Junior Software Engineer Apprenticeship, The Firehose Project
Remote — March 2016 - August 2016

- Worked with a remote team to build a Ruby on Rails chess web application following agile methodologies with pair programming collaboration
- Built complex business logic for chess piece movements thorough test-driven development using RSpec
- Leverage jQuery User Interface and AJAX to move pieces in the browser and Pusher websocket for communication between players

EDUCATION

University of California, Santa Barbara
Bachelor's - Biology

Santa Barbara City College
Associate's - Engineering, Mathematics

City College of San Francisco
Associate's - Computer Science

References available upon request