



CHARLIE BROOKE O'HARA

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TECHNICAL SKILLS

AWS CERTIFIED

DOCKER
VAGRANT

APACHE SPARK
HADOOP

C
JAVA

PYTHON
NUMPY
PANDAS

HTML
CSS
JAVASCRIPT

PHP
PHPUNIT
WORDPRESS

RUBY
RUBY ON RAILS
RSpec
POSTGRESQL

GIT
GITHUB
GITLAB

PROFESSIONAL SUMMARY

Big data engineer responsible for creating distributed cloud computing environments in AWS, building Apache Spark applications, and writing Python scripts for automation. Quick to learn new technologies and capable of creating functional applications with little guidance. Earned a 92% on the AWS Certified Solutions Architect Associate exam.

EXPERIENCE

Big Data Engineer, Algebraix Data

San Diego, CA — February 2017 - Present

- Build Spark SQL and Python applications to test Algebraix Data's query acceleration algorithm against TPC-H and TPC-DS benchmarks for quality assurance and product analysis
- Provision AWS resources using AWS CLI tools and run Spark applications utilizing AWS S3, HDFS, and Hadoop YARN within AWS's Elastic MapReduce
- Write bash scripts that work with various Linux operating systems to streamline product installation in a variety of environments
- Write Python scripts for general automation and product log analysis

Quality Assurance Engineer, Grizzly

San Diego, CA — January 2016 - February 2017

- Identify, document, and report bugs in test using BugHerd and in production using Google's ACC methodology
- Write unit tests using PHPUnit and configure continuous integration tool Wercker to facilitate the frequent delivery of working software
- Write 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
- Gained a working knowledge of PostgreSQL and query optimization as the developer responsible for building the complex business logic for chess piece movements and wrote thorough unit tests using RSpec
- Utilized jQuery User Interface and AJAX functionality to move pieces in the browser and Pusher websocket for communication between players

EDUCATION

University of California, Santa Barbara

September 2007 - June 2010

Bachelor's - Biology

GPA - 3.5

Santa Barbara City College

January 2013 - June 2014

Associate's - Engineering, Mathematics

GPA - 4.0

City College of San Francisco

August 2014 - December 2015

Associate's - Computer Science

GPA - 3.75

References available upon request