TOM GRIFFEY

Full Stack Software Developer

Los Angeles, CA

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RECENT PROJECTS

iTunes Data Pipeline
ETL pipeline to download a 1TB database from a third-party server to S3 and ingest into a Redshift cluster or Postgres RDS instance. Uses Bash, RDS, Redshift, EC2 and Luigi (Python).

Music Metadata Cleansing Framework
Framework to generate business insights from music metadata using a de-duplication algorithm that matches disparate datasets with one another. Uses Scrapy (Python), Luigi (Python), RDS and a 3rd-party data science library.

Intelligent Questionnaire
Web application for constructing question and answer sets. Backend serves questions based on user input, similar to TurboTax. Uses Slim (PHP), JavaScript and MySQL.

Metadata Interface
Web application to upload a CSV and match its contents to a database using SQL queries. Uses Flask (Python), Postgres RDS and Heroku.

Synthesys
Web application for playing musical instruments in the browser using the computer keyboard. Uses Web Audio API (JavaScript), AngularJS, Firebase and Sass/CSS3.

WORK EXPERIENCE

Saha
Software Developer
Built marketing website and drafted technical specifications for Saha, a refugee healthcare organziation. Developed prototype for Android messaging app that connects Arabic-speaking doctors in the U.S. with Syrian refugees.

Timerdoro
Software Developer
Re-engineered this existing productivity web app as a desktop application using the React and Electron JavaScript frameworks.

Dart Music, Inc
Software Developer
Solved difficult, industry-wide problems in a fast-paced startup environment. Built systems to cleanse and de-duplicate millions of rows of metadata and deliver to major music industry clients in a multitude of formats. Integrated client data with various third-party sources, resulting in more complete metadata for the music industry and better discoverability for artists and songwriters.

ALS Association
Data Analyst
Optimized data collection and querying of medical equipment rentals and donations. Streamlined a medical equipment rental program for patients. Researched grant makers and wrote grants to obtain funding.

TECHNOLOGIES

General Purpose
Python, JavaScript, PHP, C#

Front End
HTML5/CSS3, Sass, Bootstrap, Illustrator/Photoshop, Wordpress, AngularJS

DevOps/Cloud
Git, Mercurial, Bash, Powershell, Heroku, AWS

Data Engineering
PostgreSQL, MySQL, Luigi (ETL)

Music Industry
DDEX, Discogs API, Spotify API, Amazon API, Pro Tools

EDUCATION

Nashville Software School
Designed and implemented code projects in a collaborative setting, utilizing modern software development languages, frameworks and techniques.

New York University
B.A. in Music. Graduated Magna Cum Laude in three years. Studied abroad in Buenos Aires, Argentina for 6 months. Fluent in Spanish.