



# 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.

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## Work Experience

- Saha** Built marketing website and drafted technical specifications for Saha, a refugee healthcare organization. Developed Android prototype for messaging app that connects Arabic-speaking doctors in the U.S. with Syrian refugees.  
Software Developer
- Timerdoro** Re-engineered this existing productivity web app as a desktop application using the React and Electron JavaScript frameworks.  
Software Developer
- Dart Music, Inc.** 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.  
Software Developer
- ALS Association** 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.  
Data Analyst

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## 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

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## 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.