WILL SIMS

SOFTWARE DEVELOPER

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EXPERIENCE

Apprentice Software Developer
Nashville Software School, Nashville, TN
Six month full-time, immersive boot-camp in full-stack software development. Worked with Javascript and the Angular framework, as well as Python, the Django web framework, and the Django REST framework. Designed and developed many individual and group apps. Developed test-driven applications, managed source and version control using Git/GitHub, designed entity relationship diagrams (ERDs) that led to the creation of SQL databases, and designed a truly RESTful API using Django's REST framework.

E-Commerce Data Analyst
Executive Advertising, Hendersonville, TN
My role here can take many different forms: from data engineer to database administrator, I work on almost every aspect of our e-commerce website other than the front-end development (though I have managed projects and teams that work on our front-end). My primary role is to collect, store and maintain product and supplier data. My "daily driver" language, Python, is what I use to collect data from suppliers' websites for those that do not yet offer an API. I help with the decision making process for the design and structure of our database. I am currently responsible for the upcoming transition of our customer and product data from an outsourced, 3rd party back-end to our new, in-house MySQL database.

EDUCATION

2012 - 2016
University of Tennessee, Knoxville
Bachelors Degree: Business Administration: Management
Collateral Degree: Information Management

PROJECTS

My Grades
MyGrades was my first shot at building a full-stack app. It is an application for students to keep track of, and make calculations on, the grades they receive in their college or high school courses. I built this program because when I would study for tests in college, I always found myself manually calculating grades that I needed to receive in order to get an A or B in the course. This application was built with the AngularJS framework for the front end, and I built a RESTful API with the Python & the Django Framework for the back end.
Back End API Repo: *https://github.com/willsims14/MyGrades-BackEnd*
Front End Repo: *https://github.com/willsims14/MyGrades-FrontEnd*

Djangazon
I worked on this project in a team of 4 people, and we followed the SCRUM Sprint methodology. We worked on this project for two week-long sprints. The Djangazon project is an e-commerce web application, similar to Amazon, that was built with the Django framework for learning purposes only. Users can buy and sell products, like & dislike products, give ratings to purchased products, and recommend products to friends. My team and I built a recommendation engine that recommends products to users, based on the Jaccard Index's similarity coefficient (relative to other user's like/dislike patterns). Check it out on GitHub!
GitHub Repo:
https://github.com/solanum-tuberosums/djangazon

Private Projects
I have a few large, but private projects. Most of them revolve around data collection, or image manipulation. I would love to show them off in person, but out of respect for my current company and boss, I do not feel comfortable making the repositories public.

TECHNOLOGIES / SKILLS

BACK END

Python	Data Scraping
Relational Database Development	Django Web
Entity Relationship Diagram (ERD) Design	Django REST Framework
MySQL, phpMyAdmin, SQLite	

FRONT END

HTML , CSS, Javascript	AngularJS
jQuery	Bootstrap / Materialize

OTHER

Ability to Find Answers to Questions	Flexible, able to get along
Open to Criticism for Self Improvement	Project Management
Source Control (GitHub/BitBucket)	Unit Testing
Documenting and Describing Logic Well	Visual Basic