Jonathan Frederick

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OBJECTIVE

To learn as much as possible about the current technologies of our increasingly connected world

TECHNICAL SKILLS

Python, Django, JavaScript, Perl, PostgreSQL, MySQL, HTML, CSS, PHP, JQuery, AJAX
Automated testing, functional testing, unit testing, TDD, Selenium, Pytest, QUnit
Ubuntu, Fedora, Mac OS X, UNIX Command Line, Bash, Windows

WORK EXPERIENCE

ETL/Backend Developer
Apex Systems (contracted to AT&T), Durham NC　　　　　　　　　　*November 2018-January 2019*

- My team was in a department of AT&T dedicated to making internal applications that give the technical support teams the information and tools to help Internet customers.
- This team built and maintained a data pipeline in Perl that tracks hardware configuration info and offers the data in an application and API in PHP.
- I mostly added connections to the layer of the pipeline that parses raw data with regular expressions and to another layer that pulls relevant fields into a uniform format for the database.
- After a couple departures from the team, I stepped in to update and fix bugs in the API when nobody left aside from the project lead was familiar with that part of the project.
- When it was decided that we needed to consolidate one part of the API into another, I merged the first endpoints in that initiative.
- We ensured our code was easy to read and maintain so the platform could change with the operating systems of the hardware we worked with.
- Our workflow included peer-reviewing colleagues' code and was facilitated by git, JIRA, and Agile.

PROJECTS

RPG Toolkit　　　　　　　　　　*May 2018-current*

- Project Goal: Build a suite of tools for players and game/dungeon masters of tabletop rpgs
- Using Test-Driven Development practices, Functional and Unit-testing of Python and JavaScript

Personal Portfolio site　　　　　　　　　　*May 2018-Current*

- Project Goal: Serve personal website on a LAMP stack and rebuild to include a blog
- Writing Ansible playbook to provision the server, staging to a virtual machine using Vagrant

Zip Trip　　　　　　　　　　*November 2015*

- Project Goal: Help users plan a road trip based on preferences in various categories.
- Planned and built a Django API with another backend developer in collaboration with two frontend developers who built an AngularJS single-page app
- Pulled data from Google Maps, Yelp, and SeatGeek APIs to generate suggestions for users' activities

EDUCATION

Data Science with Python
The Iron Yard – Durham　　　　　　　　　　*November 2015*
Diploma in Violin Repair
Minnesota State College – Southeast Technical　　　　　　　　　　*May 2013*
Bachelor of Arts in Music
The University of North Carolina at Greensboro　　　　　　　　　　*May 2012*

HONORS

Eagle Scout, January 2005