

Donald Boles

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SKILLS

Git, Python 3, Linux, REST API Consumption, HTTP Protocol, JSON/XML, requests, MySQL, SQL, JavaScript, Relational Databases, OOP, TDD, Agile, Visual Studio

EDUCATION

B.S. Computer Science University of Colorado at Boulder - Boulder, CO Graduated 2019

SUMMARY

Computer Science graduate with a scalable TTD, OOP software development perspective. Bringing enthusiasm, drive, and over 3 years of professional experience with best practice software development emphasis. Proven track record of finishing complex projects ahead of schedule. Efficient and thorough.

EXPERIENCE

Developer/ETL Engineer

Reliance

March 2022 – Present, Remote

Python 3 server-side development

- Developed tooling for the testing, pipelining, and content normalization for patient rostering
- Developed probabilistic and rules based matching tooling for assessing patient merging
- Utilized crontab in CentOS Linux to atomically launch python scripts
- Handle and process response with formats XML, CXML, HTML, JSON

API (REST)

- Built class to consume and handle python request server calls.
 - Includes the building of the uri as a class object
 - Exception handling
 - Includes decorator functions to handle retries based on server availability
 - Executes get, post, delete, put

aiohttp (Asynchronous Coding Python 3)

- Built server tooling class which takes a list of batched calls and uses requests, asyncio, and aiohttp to process asynchronously

Database usage and development (MariaDB)

- Designed and implemented database to collect calls from vsac and store clinical codes based on yearly updates
- Maintained clinical document queries using pymysql which pulls from our production flat file MariaDB data storage

Use of bash scripting

- Built scripting for automation tasks for the set up and maintenance of sftp directory creation and ownership
- Use of bash runscripts for the automation of virtual environments

Use of Git for Version Control (Github)

- Use Git to track code deployment
- Utilized GitHub for version control and code collaboration
- Use GitHub Actions for containerized testing for merge and deployment

Data Analyst

Reliance

October 2020 – March 2022, Remote

Python server-side Development, and reporting

- Incorporated an object-oriented python approach to parsing EDI files based on the spec sheets for 834, and NCPDP file types
- Developed reporting for Covid vaccinations which is currently being used in an HIE nationwide initiative
- Parse and develop reporting around medical record CCD, ADT, and other clinical formats.
- Helped in the development of our ADT quality tooling, which included hosting a static website for posting ADT quality results

CentOS Linux Data Processing

- Use Bash scripting for the maintenance of users/folders, for the exchanging of files in an SFTP file drop directory
- Utilized crontab in Linux to atomically launch python scripts along

Use of Docker for Containerization

- Built image of CentOS production server and deployed containers in a local environment for the development of code in an isolated environment before moving to the image and container to the production server

Use of GitHub for Version Control

- Utilized GitHub projects for daily stand-ups
- Developed best practices for server development life-cycle