

# Donald Boles

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## SKILLS

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

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## EDUCATION

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BS Computer Science University of Colorado at Boulder - Boulder, CO 2018-2019  
BS Computer Science Portland State University - Portland, OR 2017-2017

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## SUMMARY

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

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## EXPERIENCE

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### Developer/ETL Engineer

#### Reliance

January 2023 – 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 response with clinical content 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 – January 2023, 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