Geoffrey Blech

GDBlech@Gmail.com || github.com/gdblech || 330-835-7492

WORK EXPERIENCE

Software Developer - *Infosys ltd.*

January 2019 – current

- Automated data transformation after ingestion using Bash and Spark, transforming all raw incoming data into a consistent format (JSON).
- Worked in IBM Infosphere generating customer information files in an integrated environment.
- Wrote Bash and SQL commands in IBM DataStage to extract, transform and load (ETL) customer information for use by other processes.
- Created an automated unit testing tool for data lake merger error checking using Scala and Java

Technologies: Python, Java, MySQL, MongoDB, Linux, Hadoop, and Spark

Help Desk Technician -*Liberty Healthcare Management*

April 2012 – November 2014

- Developed DOS batch scripts for Cerner Database system diagnostics, increasing the speed of database corruption detection from several hours to 20 minutes on average.
- Maintained endpoint encryption system by writing scripts in python to automate re-authentication with the backend
- Solved technical issues for end users
- Created a system for proper HIPAA disposal of obsolete technology, resolving a 10-year backlog.
- Implemented an automated New User creation system, reducing turn-around time from 3 hours down to 10 minutes.
- Worked on the implementation of a new helpdesk system by generating server configuration files.

EDUCATION

University of North Carolina at Greensboro   Graduated December 2018

Greensboro, North Carolina
Bachelor of Science: Computer Science
  Minor: Mathematics

PROJECTS

PubHub – Android App   **https://github.com/gdblech/PubHub**

PubHub is an android application for the creation and running of games of trivia. The app allows a user to host and play trivia, and chat with other users. The project was developed using an Agile-Waterfall hybrid methodology, in which I acted as the Scrum master and Front-end developer. My portion of this group project was the coding, design, and implementation of the android application, written in Java for the Android operating system. This included programing Google Sign In authentication, app REST interface consumption with the backend (e.g. token authentication, sending and receiving of a trivia games to the server), the trivia game creation workflow, and the playing of trivia through a WebSocket connection with event handlers.

Technologies: Java, Android, Docker, Git and GitHub Amazon AWS

MyRetail – REST API   **https://github.com/gdblech/myRetail**

MyRetail is a REST API for looking up product information such as Product name, current price. If a product is not currently in the MongoDB database is will do a GET request against the RedSky API. Products can also be added manually with PUT requests. The API was build using Java and Spring MVC.

Technologies: Java, Spring, MongoDB, MySQL, Git and GitHub, Linux