

# Geoffrey Blech

GDBlech@Gmail.com || [github.com/gdblech](https://github.com/gdblech)

## WORK EXPERIENCE

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### **Software Developer - Infosys Ltd.**

January 2019 – current

- Created a multisource data ingestion pipeline using Hadoop, Spark, and Sqoop.
- Automated data transformation after ingestion using Bash and Spark, transforming all raw incoming data into a consistent format (JSON).
- Worked in IMB 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.

### **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

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### **University of North Carolina at Greensboro**

Graduated December 2018

Greensboro, North Carolina

Bachelor of Science: Computer Science

Minor: Mathematics

## PROJECTS

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### **PubHub**

<https://github.com/gdblech/PubHub>

PubHub is an all in one solution for pubs, bars, and restaurants running trivia nights. The app allows a user to play trivia, order food and drink, chatting with other users, and paying your bills. Project was developed using an Agile-Waterfall hybrid methodology, where I acted as the Scrum master. My portion of this group project was the coding, design, and implementation of the application, written in Java for the Android operating system. This included programing Google Sign In authentication, app REST interactions with the backend (e.g. token authentication, sending of a trivia game to the server), trivia creation and the playing of trivia though a WebSocket connection with event handlers.

## SKILLS

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**Languages & Frameworks:** Java, Junit, Python, Spring, SQL, Android

**Tools, Software & Technology:** Git and GitHub, MySQL, MongoDB, Maven, Linux, REST, OAuth2, Amazon AWS, Jupyter Notebooks, Intelli-j IDEA, Hadoop and Spark, Windows