

Geoffrey Blech

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WORK EXPERIENCE

Software Developer - Infosys Ltd.

January 2019 – current

- Worked in IBM Infosphere streamlining the fulfillment of customer information requests in an integrated environment.
- Wrote Bash and SQL commands in IBM DataStage to extract, transform and load (ETL) customer information for use by other services.
- Created an automated unit testing tool for data lake merger and migration error checking using Scala, Java, and Spark.
- Was a leader in the teams transition from Waterfall to Agile methodology.

Technologies: Java, Scala, Linux, and Spark

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 trivia games. The app allows a user to create, host and play games of trivia, as well as chat with other users. This project was developed using an Agile-Waterfall hybrid methodology as part of a four-person Senior Capstone project. My portion of this group project was the coding, design, and implementation of the Android application, written in Java using Android Studio. This included programming Google Single Sign On authentication, app REST consumption with the backend (e.g. token authentication, sending and receiving of a trivia games to the server), the trivia game creation workflow, the playing of trivia game and chatting through a WebSocket connection with event handlers.

Technologies: Java, Android, Docker, Git, 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 and current price. If a product is not currently in the local MongoDB database, a GET request will be performed against the RedSky API. Products can also be added manually with PUT and POST requests. The API was build using Java and Spring Boot.

Technologies: Java, Spring Boot, MongoDB, MySQL, Git, GitHub

Enterprise FizzBuzz – REST API

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

Enterprise FizzBuzz is the classic FizzBuzz problem taken to the next level and made business ready as part of learning Spring Boot. A full REST Interface built using Spring Boot and Java, returns any questions you have about a number in relation to FizzBuzz, beyond the standard problem implementation. The application also features unit tests written in JUnit5.

Technologies: Java, Spring Boot, JUnit5, Git, GitHub