

April 2017 –Nov 2018

EXPERIENCE

IQ Inc.

Software Engineer

* Full-stack developer using C#, .Net Core 2.1, React/Redux. and MS SQL Server, for Pharmaceutical drug compounding device. Developed front/backend for the web application and the compounding device.
* Participated in Agile community of practice to better our dev team's agile methodologies.
* Deployed software updates via Docker for Windows.
* Participated in compounding device installation and upgrades.

BNY Mellon

Lead Developer

* Lead developer of Atlas, an automated build, test, and deployment service (CD/CI) that interfaces with Jenkins, Nexus, Git, and Docker/Mesos. Java (Spring), JPA, Hibernate, Kafka. Practice Agile/scrum with 2 week sprints.
* Developed frontend with Angular 5 / TypeScript using Material UI components and practices.
* Developed/helped design tool to allow non-technical users to generate customizable forms that are used company-wide. Deployed via Docker to corporate cloud running Marathon/Mesos.
* Ran several, and participated in, Workshops to facilitate learning about software practices and design.

Nov 2018 –Present

July 2015-

April 2017

Northrop Grumman

Software Engineer

* Wrote embedded software for an Airborne Warning system, added new UI functions for a radar system, and created new algorithms for a radar system to enable new radar modes in real time. C / C++, Eclipse, C#, Visual Studio 10/13.

PROJECTS

April 2018-

Present

Snip-it

Android Application

* Application that allows users to record audio snippets to send to other users. Implements Google Play Services APIs to allow users to sign in via their Google account.
* Android SDK, Java, XML, Google Play Services, Firebase Authentication APIs, Firebase Realtime Database.

Dec 2016-

Feb 2018

University of Pittsburgh

Bachelors of Science – Computer Science

2011 - 2015

EDUCATION

Pokecontacts

Android Application

* Application alphabetizes the user’s contacts into a contact list. The user is able to select an avatar for each contact. New contacts are dynamically added.
* Implemented an indexed list for quicker navigation of finding contacts. Usual operations, like texting and calling, are supported.
* Internal storage operations allow the user to save/customize their contact list.
* Applied the Fresco library for better loading and displaying of animated gif files.
* Published to the Google Play Store.
* Android SDK, Java, XML, Fresco.

**Programming**

Java (Spring, JPA, Junit4+)

C / C++

Python

C# (.NET Core 2.1, Linq, ASP.NET)

Javascript (AngularJS)

TypeScript (Angular4/5+)

HTML5 / CSS

SQL

Android SDK

WPF

**Operating Systems**

Windows

Linux

Android

**Databases**

Oracle

Postgres

Firebase

Microsoft SQL Server

**Applications and Software**

Intellij

Android Studio

Visual Studio Code

Git, Subversion

Apache Kafka

Hibernate

Maven, Gradle

Visual Studio

Docker

technical skills

mtshields1.github.io

gregfrazier@gmail.com

http://gregoryfrazier.com

**https://github.com/gregfrazier**

mtshields1@gmail.com

gregfrazier@gmail.com

http://gregoryfrazier.com

**https://github.com/gregfrazier**

https://github.com/mtshields1

gregfrazier@gmail.com

http://gregoryfrazier.com

**https://github.com/gregfrazier**

717-379-8075

gregfrazier@gmail.com

http://gregoryfrazier.com

**https://github.com/gregfrazier**

Contact

**e:** mtshields1@gmail.com

**w:** mtshields1.github.io

**t:** 717-379-8075

Software engineer

Michael Shields