**Brian Marx**

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# PROFESSIONAL SKILLS AND TOOLS

**Programming Languages**: Dart(Flutter), Go, Java (JDK 1.6, 1.8), Powershell, Bash, Swift 3,4, Applescript, JavaScript. **Source Code Control**: GitHub, BitBucket.

**Design & IDE Tools**: Eclipse, Visual Studio Code, Android Studio, XCode, IntelliJ, Atom. **Agile Tools:** Jira, Confluence, Stash.

# EXPERIENCE

EXPERSOLVE 06/2018-09/2019

Junior Java Developer

* Expersolve refactors legacy systems to a modern Java Spring stack using an AI tool, Experthink.
* Debugged Experthink tool output to match mainframe baseline runs.
* Independently developed ExperStep, a proprietary app to analyze, display, automate reports and run baselines tests using Chromedriver reducing report writing time by 70%.
* Core duties included refactoring and running baseline test cases for updated programs.
* Responsible for resolving UAT and production issues.
* Analyzed XML files for data errors and differences.
* Technologies used are Spring, Hibernate, AngularJS.

VIACOM 09/2016 – 06/2018

QA Analyst/Programmer

* Analyzed and tested mobile apps for defects in high profile iOS apps such as Comedy Central, MTV, BET, TVLand.
* Contributed code to the test automation suite for all Viacom apps.
* Independently designed and built an iOS app implementing deep links to all components of Viacom's apps, reducing testing time 70%.
* Designed and built a macOS app using Applescript/Outlook saving 10% of their time.
* Communicated with Dev team daily to ensure quality throughout product life cycle using Jira in an Agile Scrum structure.
* Used Google Apps Scripts (JavaScript) to increase productivity of entire team by automating repetitive daily tasks.

# EDUCATION

B.S., COMPUTER SCIENCE 2012-2016

University of Maryland University College, College Park, MD

* Honors**:** Graduated cum laude (GPA: 3.8) Dean’s List, 2014, 2015, 2016.
* Senior Project Highlights**:** Web design using Angular.JS, JSON objects, HTML, JavaScript and CSS. Implemented Agile Scrum workflow.
* Developed a web-based currency exchange program, Direct Exchange, as senior capstone team project utilizing a bootstrap date picker, written in HTML5 with Angular JS and CSS.
* Developed shortest job first, first come first served, and round robin algorithms written in Java.
* Performed benchmark tests on each algorithm using multithreading, Linked Hash Maps, Concurrent Linked Queues, and system time.
* Developed an iterative and recursive Heap Sort algorithm written in Java. Performed benchmark tests using three-dimensional arrays, created exception subclass to test sorted arrays, and printed timing results.

# PERSONAL PROJECTS

* Seatd – Flutter app using the Propublica API to find information on Congress
* iOS DEEP LINK TESTING TOOL – iOS App that deep links to specific Viacom apps.
* ExperStep – Analyze, run, edit, and automate reports for online baselines.
* DailyUpdater – MacOS app to streamline Viacom DailyUpdates using Applescript.
* KeyboardSynth – iOS App using Swift 4 TableViews and AudioKit Framework.
* Chatr – Chat app front end written in Java and the back end written in Go using websockets.

# PROFESSIONAL CERTIFICATIONS

BIG NERD RANCH 2017

* Swift and iOS training. Completed certificate courses for beginners and advanced developers.

# REFERENCES

Grace Ross – Chief Architect, Expersolve. Grace.ross@expersolve.com

Michael Katz – Software Architect, Viacom. Michael.Katz@viacom.com

Niels LaWhite – Chief Scientist, Secondwind Inc. (617) 952-8258