

# Ben Johnson

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Software engineer with 9 years of experience developing enterprise and consumer iOS applications

## Experience

### | The Hershey Company

#### **Senior Analyst - iOS Development, Retail Solutions:** 2020 - present

- iOS architect for complex enterprise retail execution app used by Hershey sales representatives across the United States and two other countries
- Architected and implemented update of legacy iOS networking system from Objective-C to Swift by developing Swift packages for local persistence and networking. Designed and wrote specifications for the corresponding rewrite of REST APIs to support syncing updated data only.
- Designed and implemented feature flagging system to configure iOS app features based on user country and job title, allowing a single iOS app to be used for retail execution across multiple countries and job roles.
- Wrote technical specification and implemented app changes to allow use of retail execution app in a new country. This project made possible the retirement of a legacy system and brought the capabilities of the modern platform to the country's sales team.
- Developed iOS build and test automation system on Azure DevOps that saves two hours per week

#### **Senior iOS Developer, contractor:** 2015 - 2020

- Lead iOS developer on team of 2-8 iOS developers, responsible for technical project administration, writing technical specifications for iOS app and syncing protocols, code reviews, and writing code
- Developed components like sync, data models, and local caching of files for multiple iOS apps
- Developed features for retail execution app like printing shelf tags for products, image recognition for seasonal in-store displays, integration with Siri and the Shortcuts app

#### **iOS Developer, contractor:** 2012 - 2015

- Developed and maintained a suite of apps for Hershey's national field sales organization, including a Milton Hershey Award of Excellence winner (2013) and finalist (2014)
- Wrote iOS networking code to interact with Hershey's time and expense SAP systems, Salesforce.com, and other sales systems
- Set up and managed Hershey's internal CocoaPods code repository

### | Bixelcog LLC

#### **Founder and iOS Developer,** 2012 - present

- Founder of company offering iOS development consulting services
- Developed Baseline, an iPhone app to track tennis scores, and released to the App Store: 2012
- Developed [Baseline 2](#), a complete re-write with SwiftUI, and released to the [App Store](#): 2020

- Lead iOS developer on two applications for Steinway & Sons, [Steinway Spirio](#) and ArkivMusic Streaming: 2014 - 2016

## Education

### | Georgia Institute of Technology

**MS Computer Science:** 2017

- Concentration: Interactive Intelligence
- GPA: 4.0/4.0

### | University of North Carolina at Chapel Hill

**MS Economics:** 2011

- Concentration: Applied Microeconomics

### | Elizabethtown College

**BS Mathematics, Economics, Spanish (Minor):** 2010

- GPA: 3.91/4.0, Summa Cum Laude, Elizabethtown College Honors Program

## Skills

- Swift, Objective-C, Python
- Core Data, SwiftUI, UIKit, XCTest, storyboards, Auto Layout, Combine, CocoaPods, Swift Package Manager, REST API design, iOS build automation