

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 technical architect for complex enterprise retail execution app used by Hershey sales representatives across the United States and two other countries
- Architected and implemented upgrade of legacy iOS networking system from Objective-C to Swift by developing generic Swift packages for local persistence and networking. Designed and wrote specifications for the corresponding upgrade of backend APIs that improved efficiency by syncing changed 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.
- Provided technical mentorship and performed code reviews for other iOS developers
- Worked with product manager to define technical design for new features
- 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, which is available on the [App Store](#) for iPhone, iPad, and Mac: 2020 - present
- 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
- Core Data, SwiftUI, UIKit, XCTest, storyboards, Auto Layout, Combine, CocoaPods, Swift Package Manager, API design, iOS build automation