Ben Davis

Curriculum Vitae

Summary

A passionate and motivated software developer with 7 years of experience developing iOS apps including 4 years as the Lead iOS Developer in a fast growing, London based startup. I love creating innovative and engaging applications and I am an advocate for high quality source code which is clean, robust and maintainable.

Technical Skills (Years experience)

Languages	Swift (3), Objective-C (7), PHP (2), Node.js (5), Javascript (5), HTML+CSS (5)
Technologies	Xcode, Realm, Core Data, RxSwift, Fastlane, Fabric, Xcode Server, SQL, Git, LaTeX, and more.

Experience

March-Present 2018 — **Contract Developer**, DEBATE MATE, STAY NIMBLE, ET AL.
- Contributed to a macOS application (details undisclosed under an NDA).
- Working remotely whilst travelling, built an online platform for educational content using WordPress. Used SWIFT, PHP, JAVASCRIPT, HTML and SASS debatemate.online

2013 - 2017 — **Lead iOS Developer**, FLYPAY LTD.

Consumer ordering, payment and loyalty technologies for restaurants and hospitality sector.
After joining flypay from an early stage I built and managed a team of 5 iOS developers and wrote significant portions of the codebase. developer/flypay.
- Used both Obj-C and Swift.
- Test First development, Code Reviews and Paired Programming.
- Built a suite of iOS frameworks and libraries to enable restaurant technologies in multiple apps (Documentation: ios.docs.flypay.io).
- Built a variety of apps and worked with third party app developers to integrate flypay technologies.
- Used a variety of technologies, including Apple Pay, Realm, Core Data, Web Sockets, RESTful API
- Contributed to the backend in PHP and Node.js.

Jun-Nov 2013 — **Full Stack Web Developer**, PACE DIMENSIONS LTD.

2010–Present — **Independent & Contract iOS Developer**, BEN DAVIS APPS.

Wrote iOS apps for iPhone and iPad in my free time, including Mineral Identifier and MultiPlayer Poker. Had over 40,000 downloads in my best year.

Education

2010 - 2013 — **Imperial College London**.

BSc Mathematics and Computer Science – 2.1 Honours.

Final year project - *Multiple Atlas Segmentation of CT Images for Prostate Cancer*

Wrote a machine learning algorithm in C++ for aligning CT scans of prostate cancer patients.

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Individual Project Work

Title **Instagram for iPad**

Description Built an instagram library for efficiently downloading and caching instagram feeds. I then used this library to create a simple iPad application. ⓞ imben123/InstagramForiPad

Title **BitTorrent library in Swift**

Description Built a library for downloading BitTorrent's. Written 100% in Swift, open source. ⓞ imben123/BitTorrentSwift

Title **Multi-Player Poker**

Description Bluetooth based poker game where an iPad displays the poker table, and iPhones display the poker hand. Multi-player poker

Achievements and Interests

2017 **Won Flypay Hackathon** - Built an iMessage app for ordering food. Competed against 10 other teams including external companies.

2013 **Won ICHack Hackathon** - Built a web app for travel. Judged by Facebook, Microsoft, and JP Morgan.

Conferences

2018 **Alt Conf** - The biggest WWDC alternative conference in San Jose.

2017 **Try! Swift India** - Personally funded and attended the first international iOS conference in South Asia.

2016 **WWDC** - Represented Flypay as an attendee at WWDC in San Francisco.

Additional Courses

2016 **Uncle Bob's Clean Code: Agile Software Craftsmanship** - Three day course on clean code, by the man who wrote the book!

2016 **Big Nerd Ranch Advanced iOS Class** - Two day course, part funded by Apple.

Interests

○ Volunteered building a school in Nepal (Oct-Dec 2017).
○ Taught English as a volunteer in Peru.
○ Trained in basic first aid to volunteer with St. John's Ambulance.
○ Completed the three peaks challenge (climbed 3 highest peaks in the UK within 24 hours).
○ Enjoys travelling, remote camping and hiking, cycling, tennis, swimming and running.