

Rod Spears

Skills

iOS, Swift, Objective-C, Java, Kotlin, JSON, JWT, Agile, Apple Watch, Android, XML, RESTful, SQL, WebRTC, JavaScript, NodeJS, Realm, ORM, iBeacon, C++, C

Impact

- Learns application domains quickly
- Improves team performance
- Works closely with QA
- Highly Productive, low defect count
- Excellent Mentor
- Increases engineering collaboration

Experience

CONSULTING - IOS / ANDROID APP DEVELOPMENT

April 2019 - Present

- Currently working on Android (Kotlin) and iOS (Swift) apps for the Digital Atlas of Ancient Life NSF grant. The apps are electronic field guides that will also include fossil identification using Google's Vision AutoML product.

RETAIL SUCCESS - IOS TEAM LEAD

Oct 2018 - April 2019

- Successfully added realtime live video and chat, first phase of social media features
- Lead iOS developer for e-commerce clothing retailer app
- Implemented client-side OAuth for secure API authentication and authorization

CONSULTANT - BERKLEY MEDICAL MANAGEMENT SOLUTIONS

June 2018 - Oct 2018

- Successfully completed a short term pilot project for a realtime video, audio, and chat iOS app for insurance case management with backend services integration
- Left after short term consulting contract

VERTIGO MEDIA, INC. - IOS TEAM LEAD

Oct 2015 - June 2018

- iOS team lead for social media music app, manages local and remote engineers
- Lead on all client architectural and design decisions
- Lead developer for custom integration of WebRTC into client app
- Works closely with middleware and back developers (Node.js, Swagger)
- Created WatchOS extension in Swift
- Mentors junior developers and crafts internal develop processes
- Mobile app integration with middleware and cloud services, i.e. Node.js, AWS
- Left do to company's financial situation

SHOUTZ, INC. - MOBILE TEAM LEAD IOS

Mar 2015 - Oct 2015

- Lead architect for iOS, Android FrontFlip and LotteryHUB apps
- Lead developer for iOS applications, created WatchApp for FrontFlip
- Manage local and remote developers for all mobile clients
- Left do to company's financial situation

MOBILE CONSULTANT - IOS CONSULTANT

April 2014 - Mar 2015

- Created an Apple Watch Extension for an existing iPhone app
- Created app for delivering content when in proximity of various
- Contributed to a large medical app (Powerchart Touch), as part of a team using JIRA, Crucible, and GIT.

INTOUCH SOLUTIONS - SENIOR IOS DEVELOPER

April 2013 - April 2014

- Developed highly graphical and interactive iPad-based applications for pharmaceutical sales representatives.
- Developed an app that read data from an external glucose meter and was integrated with iOS Address Book and Text Messaging API.

UNIVERSITY OF KANSAS - BIODIVERSITY RESEARCH CENTER

July 2003 - April 2013

Mobile App Development

- Developed an Android app for specimen data collection in the field which integrates GPS mapping, and SQLite.
- Created SpecifyInsight, an iOS app for exploring collection data on an iPad. The specimen data is optimized and compressed from MySQL to SQLite and downloaded via HTTP. SpecifyInsight enables the mobilization of data so it can be taken into the field out of range of network connectivity.

Cyberinfrastructure and Thick Client Software Development

- Team Lead and Project Architect for a large client server application written in Java and shipped on Linux, Windows and Mac OS X.
- The client app worked similar to MS-Access that enabled a high degree of customization and configuration.
- Used many contemporary software patterns to enable software componentization and reuse.

Education

Bachelor of Science in Computer Science Iowa State University, Ames Iowa

cell: 785-979-5524

email: rod@rodspears.com