

Vijay Sharma

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PROFESSIONAL EXPERIENCE

Kwilt

Senior Mobile Architect

Ottawa, Ontario

July 2015 - present

- Made decisions on the approach to be taken for each architectural change or addition to the product
- Turned requirements and high level features into smaller tasks
- Managed resource allocation on projects and deliverables
- Arranged releases to beta programs and Apple iOS App store as well as internal releases for QA purposes
- Developed Android port of company's KwiltKey app
- Helped develop the Kwilt Social Network
- **Technologies:** iOS, XCode, Objective-C, Android Studio, Android SDK, FogBugz, Git, KilnHg

TestFairy

Android Consultant (contract)

Israel

September 2015 - present

- Extract existing Android code base into reusable SDK used by thousands of developers on millions of devices
- Developed wrappers for Xamarin, Unity, Cordova and Adobe Air
- Developed novel solutions included in proprietary testing SDK
- **Technologies:** Android, IntelliJ IDEA, Ant, Xamarin, Unity, Cordova, Adobe Air

Datacap Systems Inc

Android Consultant (contract)

Chalfont, Philadelphia

May 2015 - July 2015

- Helped transition company from using Eclipse into using Android Studio and BitBucket
- Rearchitected Android client library for improved stability, testability, and extensibility
- Established automated build process using Gradle, to generate test reports and library artifacts
- Prototyped applications requiring deep Android knowledge to validate business requirements
- **Technologies:** Android Studio, Android SDK, Gradle

Younility

Senior Mobile Engineer

Ottawa, Ontario

October 2014 - July 2015

- Bootstrapped continuous delivery environment for both iOS and Android eliminating manual build artifact creation
- Rearchitected both iOS and Android mobile application to make efficient use of battery life and network bandwidth
- Rearchitecture of Android mobile application yielded improved test coverage from 5% to 40% in 2 months
- Redesigned and implemented revamped end-user experience as part of the company's re-branding
- Managed app deployment to both Apple's App Store and Google's Play Store
- Helped establish Agile process across the entire company
- Help secure IRAPP government funding for business applications using NFC
- **Technologies:** iOS, XCode, Cocoapods, Android SDK, Android Studio, Gradle, Circle CI, Git, GitHub

Signiant

Java Software Developer (Cloud Applications)

Ottawa, Ontario

February 2014 - October 2014

- Developed Cloud and Mobile-based solutions that extend the reach of Signiant products beyond traditional enterprise environments
- Implemented full-stack solutions, using technologies such as Android, iOS, JavaScript, Java, and NoSQL solutions
- Designed system components to align with high performance system architecture
- Implemented interfaces among system components and with external systems, for example REST
- Worked effectively within Agile software development team
- **Technologies:** MarionetteJS, Java, Android SDK, iOS, AWS Elastic Beanstalk, Jersey, DynamoDB, Maven, SVN

Intelerad Medical Systems

Senior Member of R&D

Montreal, Quebec

January 2011 - February 2014

- Lead the development of the company's new flagship online clinical image viewer using latest HTML5 technologies to develop a high performance viewer targeted for the web and mobile devices
- Wrote, managed and peer-reviewed requirements, design and test plan documents for all team projects, working closely with stakeholders to ensure both company's best interest, and the integrity of the software
- Architected new advanced visualization 3D application to integrate into large enterprise code base, working closely with UI designers to develop cutting edge, feature rich applications
- Mentored new employees to adapt to company's culture, in a lead position on projects, and spearheading new software development practices
- Developed support for multiple platforms including Mobile-Web, Android and iOS
- **Technologies:** AngularJS, EmberJS, GWT, Android, iOS, Tomcat, PostgreSQL

Intermediate Member of R&D

December 2009 - January 2011

- Worked in an agile team and managed projects from design through to deployment stages
- Researched new open-source technologies to use in both client and server applications
- Developed client-server based desktop applications in Java to meet the our client's workflow needs
- Frequently volunteered to provide in-house demonstrations of new software modules to other departments, including field-analysts, project managers and stakeholders
- Awarded for going "Beyond the Call of Duty" by providing expert opinion and hands-on aid to all projects, including projects outside my team
- **Technologies:** Java, JNI, Swing, XMPP, Smack, Tigase, Hessian, Guice, Guava, Eclipse, JUnit, Mercurial, PostgreSQL

Junior Member of R&D

September 2007 - December 2009

- Developed and maintained tight integrations with third party partners in with short turn-around time
- First-level contact for support for troubleshooting client issues, which included off-hour support for clients in Australia
- Received the "Culture Creature" award for quickly adapting into company ecosystem, and upholding the software's integrity, while operating at high standards
- **Technologies:** Java, Swing, C/C++, MFC, CVS, STL, Boost, Python

EDUCATION

The University of Western Ontario

London, Ontario Canada

Master of Engineering Sciences

September 2007

- M.E.Sc. in Biomedical Engineering
- Thesis: Full 3D Integration of Stereo Laparoscope and Freehand Ultrasound Data
- Advisor: Dr. Terry M. Peters Ph.D. FCCPM

Concordia University

Montreal, Quebec Canada

Bachelor of Electrical and Computer Engineering

May 2005

- GPA: 4.02/4.30
- Gold Medal Recipient as Top Graduating Student in Computer Engineering
- Graduated from the Concordia University Cooperative Studies Program

AWARDS AND HONORS

- Beyond the Call of Duty award at Intelerad Medical Systems
- Culture Creature award at Intelerad Medical Systems
- Western Univeristy Graduate Research Scholarship (WGRS)
- Fonds quebécois de la recherche sur la nature et les technologies (FQRNT)
- Concordia University Engineering Gold Medal Award for Top Graduate
- Final Year Project in Engineering, Third Place
- Concordia University Engineering Deans List

LANGUAGES

- English, French, Hindi, Spanish