Abhishek Sisodia Computer Engineering Graduate

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TECHNICAL SKILLS

Programming languages: Java, Objective C, C#, C++, C, Python, JavaScript, SQL, Groovy, Bash shell scripting, VHDL

Platforms: Android, iOS, Windows, Linux, UNIX, Blackberry 10, Mac OSX

Web: HTTP, REST, JSON, XML, HTML, CSS, General TCP/IP networking concepts, Content Management Systems

IDE: Xcode, Android Studio, Visual Studio, Robotics Studio, Eclipse, Keil µVision, MATLAB

Hardware: ARM MCB1700 Board, Altera DE2 FPGA board

Software Development: Object-oriented programming principles, multi-threaded programming, kernel programming, Model View Controller paradigm, Agile Scrum Development, Software Development Life cycle and Unified Model Language (UML)

Application Software: Git, Tortoise SVN, Selenium, MKS Integrity, JIRA, Bugzilla

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PERSONAL PROJECTS

Android Apps: Toronto Now, Tech Deals, Shopping Flyers Canada

Google Play: https://play.google.com/store/apps/developer?id=CuriousDevAndroid

Other Projects: ParkAid – Parkinson's disease freezing of gait assistive device, QykSwipe iOS, Flickrstream iOS, Moonshine Weather, DoctorPatientSocialNetwork

Github: https://github.com/abhisheksisodia

Portfolio: http://abhisheksisodia.github.io/

WORK EXPERIENCE

Junior Software Developer

Digiflare, Toronto, Ontario   *Sept 2015 – Dec 2015*

- Implemented new features including weather functionalities and live television video streams in the Univision Spanish news android application
- Fixed critical bugs in the Univision android application that increased overall user reviews and ratings on the Google play store
- Developed proof of concept applications for Google Android TV and Amazon Fire TV in order to be used for client demonstrations

Mobile Developer- Android and iOS

FreshBooks, Toronto, Ontario   *Sept 2014 – Dec 2014*

- Implemented new onboarding user experience and improved workflow in the iOS application that increased user engagement and signup
- Implemented new features and fixed critical bugs in the Android application to get it ready for new version of Android (Android 5.0 Lollipop) meeting tight deadlines
- Involved in implementing analytics in the android and iOS applications to monitor real time usage and identify areas of improvement
- Developed a proof of concept application using Swift for iOS 8 in the intercompany hackathon
- Involved in migrating the iOS application development to XCode 6 and building application for the iOS 8 SDK

Software Developer

Youi Labs, Ottawa, Ontario *Jan 2014 – April 2014*

- Involved in the development of a software development kit made to develop cross platform applications
- Involved in the development of the Rogers Shomi video streaming cross platform application using the software development kit
- Wrote C++ code to implement new functionality and wrote unit tests to test the new code
- Optimized the performance of the software development kit by fixing memory leaks and existing bugs
- Implemented the GoogleTest testing framework and wrote unit tests to test all parts of the software development kit code

Automated Test Developer

SAP Canada Inc. Sybase, Waterloo, Ontario *May 2013– August, 2013*

- Developed JavaScript test scripts to automate the testing procedure of SQL Anywhere software.
- Developed automated tests using Selenium and Java programming language to simplify the functional testing of Sybase Central database management software
- Built an automated testing system using RIA testing tool to test cloud based database management software
- Implemented complex scenarios to load test the cloud based database management software

Software Test Associate *Sept 2012 – Dec, 2012*

Blackberry (formerly Research in Motion), Waterloo, Ontario

- Created automated test scripts for testing the Blackberry Messenger Client (BBM) using Groovy and BB Jam
- Simplified many tasks (e.g. restarting modem, saving device logs etc.) by implementing them as shortcut commands on a desktop tool, which interfaced with the device.
- Participated in the testing of the new Blackberry Messenger Client (BBM 7) and its features including BBM Voice and new emoticons in time for the release of Blackberry 10 OS.
- Actively involved in all stages of testing, efficiently executed test cases and composed descriptive bug reports

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EDUCATION

Candidate for Bachelor of Applied Science (BASc), Computer Engineering,

University of Waterloo, Waterloo, ON *June 2016*

Relevant Courses:

Adaptive and Cooperative Algorithms, Software Design and Architecture, Algorithms and Data Structures, Compilers, Databases, Operating Systems, Embedded Systems, Computer Networks

Relevant Labs/Projects:

- **ParkAid** – Developed a wearable device for Parkinson's patients using arduino and inertial measurement unit sensors to predict, detect and prevent freezing of gait leading to falls
- **QuickSwipe** – Developed an iOS application that provides a new way to browse instagram.
- **EasyDoc** – Implemented a doctor patient social network using Java Servlets and MySQL

AWARDS AND SCHOLARSHIPS

- Baylis Medical Award for ParkAid, June 2015
- Crystal Blackberry Developer Award, March 2013
- Sullivan Entrance Award, University of Waterloo, September 2010
- 21st Century Technology Award, RCC Institute of Technology, Toronto, ON, June 2010