Abhishek Sisodia 4A Computer Engineering

49 Garners Lane, Brantford, ON, N3T 6P5| abhisheksisodia13@gmail.com | 226-978-4470

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: Flickrstream iOS, Moonshine Weather, DownForWhat, DoctorPatientSocialNetwork

Github: https://github.com/abhisheksisodia

WORK EXPERIENCE

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*

- Developed User Interface tools and libraries in C++
- 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

Quality Assurance Engineering Intern
Morega Systems Inc., Mississauga, Ontario   *Sept, 2011 – April, 2012*

- Participated in implementing test-plans and test-cases built on high-level and detailed design
- Broadly done manual testing, constraints verification testing and functional testing
- Performed test cases throughout the integration and the regression environments
- Tested critical bug fixes and coordinated with developers in release of bug fixes meeting tight deadlines.

EDUCATION

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

University of Waterloo, Waterloo, ON   *September 2010 – present*

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:

- Implemented a doctor patient social network using Java Servlets and MySQL
- Implemented the Kirsch Edge Detector algorithm in VHDL
- Used Altera's DE2 board to implement a simple WAV file player
- Implemented stack, queue, hash table, tree and graph data structures in C++
- Programmed LEGO Mindstorm NXT using C# to search for coloured object in a maze

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AWARDS AND SCHOLARSHIPS

- 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