www.judetill.com
www.github.com/judearavinda
http://devpost.com/jude234

JUDE TILLEKERATNE

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LANGUAGES AND TECHNOLOGIES

- **Proficient Languages:** Java, C++, C, Python
- **Familiar Languages:** C#, JavaScript, Objective C, BrightScript
- **Frameworks/Libraries:** Android SDK, Windows Phone SDK, Windows Forms, Roku SDK
- **Databases:** SQL, MongoDB
- **Tools:** Git, SVN, IntelliJ, Visual Studio, Eclipse

EXPERIENCE

Junior Software Engineer   **Digiflare**   **Spring 2016**
- Built a data analytics and export tool for debugging video stream quality on the Roku platform
- Worked with clients such as Vimeo and fuboTV to integrate custom designs and views into their respective Roku applications which resulted in higher user engagement
- Implemented custom Roku animation effects for smooth visual transitions

.NET Developer   **Varicent, an IBM Company**   **Fall 2015**
- Created new RESTful APIs in C# for unified data access on a variety of platforms
- Revamped SQL Server Integration Services in company's flagship product to speed up data migration and transformation for large data sets

Java Developer   **Citigroup**   **Fall 2014**
- Developed a SOAP Web Service in Java to manage large amounts of data quickly for a Citigroup client application which increased the performance over the old implementation by a factor of 2

Test Automation Developer   **BlackBerry**   **Winter 2014**
- Created an automated test tool in Python that ensures that a developer's merge request will not break any of the current functioning test cases which minimized regression testing
- Developed functional tests using SoapUI that discovered 20 critical bugs

Full Stack Developer   **TabbleDabble**   **Summer 2013**
- Implemented custom interactions for the company's flagship product on iOS and Android
- Optimized and refactored company's flagship app to run smoothly on newly released iOS 7
- Eliminated 80% of backlogged bugs

PROJECTS

Dreamote: http://devpost.com/software/dreamote
- Created a program that recognizes hand gestures on hand drawn widgets to change the behaviour of LEDs on an Arduino board
- Won third place in an EngHack hackathon and was featured on the front page of devpost

WatchDag: http://devpost.com/software/watchdags
- Created an application that implements facial recognition and tracking through a video feed
- Used Microsoft Azure APIS for backend storage and used OpenCV for image processing

2-Dimensional Puzzle Platformer
- Built the physics engine from scratch in Java
- Can utilize custom levels and custom obstacles as assets

Doodle
- Created a 2D graphics drawing application which features custom colours and custom widgets.
- Save and Load operations supported with XML, JSON and TXT file formats

EDUCATION

Waterloo, Ontario   **University of Waterloo**   **2012 – Present**
- Candidate for Bachelor of Software Engineering