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

JUDE A. TILLEKERATNE

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EMPLOYMENT

Software Engineer   **Redfin**   **Winter 2017**
Notifications Team
- Reduced time to organize and send push notifications by 10% by building a data pipeline for push notifications using Apache Kafka
- Built a fault tolerant and highly scalable Apache Samza application that delivered email recommendations to over 5 million users.
- Worked with the Hibernate framework to extend backend functionality for email notifications

Junior Software Engineer   **Digiflare**   **Spring 2016**
Connected Devices Team
- 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   **IBM**   **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 expedite data migration for large data sets

Test Automation Developer   **BlackBerry**   **Winter 2014**
QNX Operating Systems
- 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

EDUCATION

Waterloo, Canada   **University of Waterloo**   **Graduates 2018**
- Candidate for Bachelor of Computer Science
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Calculus III.

TECHNICAL EXPERIENCE

Projects
- **Dreamote** (2016) http://devpost.com/software/dreamote : Created a program that recognizes hand gestures on hand drawn widgets to change the behavior of LEDs on an Arduino board. It won third place in an Enghack hackathon.
- **Watchdag** (2016) 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** (2014): Built the physics engine from scratch in Java. It can utilize custom levels and custom obstacles as assets.
- **Doodle** (2014): Created a 2-D graphics drawing application which features custom colors and custom widgets. Save and Load Operations supported with XML, JSON and TXT file formats.

LANGUAGES AND TECHNOLOGIES
- C++; C; Java; Python ; Objective-C; C#.NET; SQL; JavaScript;
- Android SDK ; Windows Phone SDK ; Windows Forms; Roku SDK
- Visual Studio; Microsoft SQL Server; Eclipse; XCode;