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JUDE TILLEKERATNE

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LANGUAGES AND TECHNOLOGIES

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

EXPERIENCE

Software Developer, Intern   **Varicent, an IBM Company**   **Fall 2015**
- Implemented custom Windows Form designs for smooth visual transitions
- Revamped several views, resulted in higher user engagement
- Implemented SQL Server Integration Services in company's flagship product to speed up data migration and transformation for large data sets
- Created new RESTful APIs for unified data access on a variety of platforms

Java Developer, Intern   **Citigroup**   **Fall 2014**
- Implemented a SOAP Web Service 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
- Implemented a data analytics tool that organizes backend data in a graphical format
- Created a test case generation tool which creates random XML docs from XML Schema

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

Software Developer, Intern   **TabbleDabble**   **Summer 2013**
- Optimized and refactored company's flagship app to run smoothly on newly released i0S 7
- Implemented custom views for the company's flagship product on iOS and Android to increase user experience and engagement
- Implemented custom Android view animation effects for smooth visual transitions
- Implemented a custom drawing view for the Android platform using graphics APIs
- Eliminated 80% of the backlogged bugs

PROJECTS

- **2-Dimensional Puzzle platformer:**
  - Built the physics engine from scratch in Java
  - Can utilize custom levels and custom obstacles as assets
- **Web Browser:**
  - Implemented a web browser in Visual Basic with tab controls and a bookmark bar
- **Stock Trader:**
  - Implemented an algorithm that prioritized stock with a higher market spread
  - Resulted in a performance that made it to the top 10 in a hackathon with a hundred participants

EDUCATION

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