Sahil **Jain**

3A Software Engineering | s44jain@uwaterloo.ca | 647-949-8165
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SKILLS

Languages: Scala, Java, JavaScript, C/C++, Python, Ruby, SQL, PHP

Technologies: Android, Node.js, Cassandra, MongoDB, AngularJS, Rails

Software: IntelliJ IDEA, Eclipse, Visual Studio, Jenkins, Git, SVN

Hardware: Arduino, Raspberry Pi, cRIO, Scribbler

EXPERIENCE

PAGERDUTY Backend Services Developer   Fall 2015 | Toronto
Scala, Cassandra, Finagle, Apache Thrift, Zookeeper, Rails, AWS

- Improved reliability, scalability, and performance of critical realtime Scala services in the alerting pipeline
- Increased production data archival speed **10x** by implementing concurrency
- Optimized Cassandra queries and applied distributed systems concepts
- Improved SLA metric accuracy and reduced transient alerts

REMIND101 Software Engineering Intern   Winter 2015 | San Francisco
Android, Robolectric, Jenkins, AngularJS, Rails

- Developed Android client with over **1 million** downloads; **99.9%** crash-free status
- Independently developed Office Hours feature, used by over **50%** of teachers
- Implemented **Material Design** and enhanced notifications for **Android Wear**
- Improved performance and reliability of test suite by migrating tests to Robolectric and reconfiguring Jenkins build server
- Made minor UI improvements to Rails and Angular app

PIVOTAL LABS Agile Engineering Intern   Spring 2014 | Toronto
Android, Robolectric

- Prototyped and released Android apps using **TDD** and **Agile** the right way
- Shipped mobile payment and XMPP chat apps using Arca MVVM framework
- Learned Android testing best practices from the creators of Robolectric

PROJECTS

WATERLOO ANSWERS
Node.js, MochaJS, ExpressJS, AngularJS, MongoDB

- Led a team of 5 to develop a question & answer system for UW students

WHITEBOARD
Node.js, ExpressJS, MongoDB, EJS Templating

- A platform to help find developers for side projects
- Winner of the **Best Design Award** at HackWaterloo

DIGIT RECOGNIZER
MATLAB, JavaScript

- Used MNIST dataset to train a **neural network** via backpropogation

STOCK ANALYZER
Java, HTML5, JavaScript

- Applied **machine learning** principles to find momentum reversals and trends

EDUCATION

UNIVERSITY OF WATERLOO Bachelor of Software Engineering
Expected April 2018 | Cumulative average: **92.3%**

AWARDS

University: Dean's Honour List, top 10% of class every term, President's Scholarship

High School: 1st in school in Fermat/Euclid/CCC/SIN, Governor General's Award