

# 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 backpropagation

**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