

# Sahil Jain

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

## SKILLS

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

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

**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 **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

- 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