

Ravi Seth

Mechatronics Engineering Student | Mobile & Web Developer

github.com/rksseth
linkedin.com/in/rksseth
(519) 993-7284
ravi.seth@uwaterloo.ca

EXPERIENCE

Amazon Web Services — Software Engineering Intern

Vancouver, May - August 2020

- Collaborated with with [AWS Machine Learning \(ML\) team](#) to create a **large-scale data processing and validation system**
- Conducted **data-driven experiments** to characterize multiple data validation libraries (TensorFlow and Spark DV) and **recommend hybrid solution** using AWS (EMR, DynamoDB, S3), Apache Spark, Python, Scala, and distributed processing
- Implemented **scalable and efficient solution** to ensure data quality in ETL & ML pipeline that consumes terabytes of data

Klyck.io — Full Stack Developer

Waterloo, May - Aug. 2019 and Jan. - Apr. 2020

- Developed **REST API in scalable microservice** to allow seamless viewing and collaboration of Office 365 files, using Java, Kubernetes, Lagom and Play Framework
- **Passed 100% of test suite** on REST API and front-end UI to ensure viewing, file locking, editing, and co-editing
- Regularly shipped features and fixed bugs to **10000+ mobile and web users**, using Angular and TypeScript

University of Waterloo — Software Developer

Waterloo, Sept. - Dec. 2018

- Developed **mobile app and REST endpoints** for two-factor authentication feature, using Android and Java

PROJECTS *(see full list at rksseth.github.io)*

WeSchedule — Online Scheduling Platform Startup

Jan. 2017 - present

- Designed easy to use real-time online platform to **automate scheduling**, using Angular, TypeScript, and Firebase
- Ensured **maintainable, efficient, and scalable** code and data
- Completed 5+ sprints, 200+ features and bugs using Trello for ticket management

Recyclops — Android Recycling Assistant App

June 2019

- Developed a waste **identification and recommendation app**, using Android, Java and Google Cloud Platform Vision API

SKILLS

Languages

Java, TypeScript / JavaScript, Python, Swift, C++, Scala, C#

Libraries / Frameworks

Apache Spark, Angular, Node, Ionic, TensorFlow, OpenCV, Mocha, NPM

Tools

Git, AWS, Android / iOS Development, Docker, Postman, Unit Testing, Firebase, Kubernetes Microservices

EDUCATION

University of Waterloo Mechatronics Engineering Co-op

Sept. 2016 - June 2021

COMPETITIONS

Amazon Alexa Skills Hackathon — Runner up out of 1000+ participants

August 2020

UWEnergyHacks Hackathon — Winner of “Best Design” out of 150+ participants

May 2019

World Squash Championships — 2x Team Canada Athlete

Aug. 2016 and Sept. 2018

National Squash Champion — 2x

Dec. 2011 and Mar. 2020

