

# Daivik Goel

2B Computer Engineering - University of Waterloo

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## SKILLS

Languages	Javascript, C++, C, HTML, CSS, Java, SQL, Python, Ruby, Bash, Matlab, ARM, VHDL
Frameworks	Node.js, React, Redux, mySQL, Ruby on Rails, Bootstrap
Software Tools	AWS, Omnigraffle, Xcode, Android Studio, UNIX, Postman, Git, PHP myAdmin
Management Tools	JIRA, Confluence, Agile, Scrum, Lean Six Sigma

## WORK EXPERIENCE

**SOLUTIONS ARCHITECT** | Shaw Communications Calgary | May 2018 – August 2018

- Conceptualized various Cloud and Network Architectures using Amazon Web Services and in-house Shaw technologies targeted for potential adoption from all of Shaw's 3.2 million customers
- Focused on adapting Shaw's systems to transition to Serverless technologies such as Amazon Lambda and technologies gained through its partnerships with companies such as Comcast
- Collaborated with senior technical leaders in Shaw and Comcast to assess Automation Architecture and enable Shaw to run more lean operation in turn reducing operating expenses by 30%
- Created Solution Synopses for senior management and development teams that focused on Customer Impact, Technical Requirements and Network Technologies to standardize the implementation process

**SOLUTIONS DEVELOPER** | Royal Canadian Air Force Kitchener | September 2017 – December 2017

- Designed the Department of National Defense's first Mobile App leveraging a consumer centric ideology to further their vision of fostering an environment of innovation and in turn solve their legacy issues
- Developed concept designs based on User Journey Maps and conducted User Testing to improve the product quality before releasing the app to all 17,000 Air Force members
- Led a 3 member team to develop the app using React Native, MySQL, Node.js and the Agile methodology
- Proposed solutions on a wide variety of proprietary projects to various wing commanders resulting in an increase of 15% in the Air Force's investment in technology driven initiatives

**ENTERPRISE DEVELOPER** | Mosaic Sales Solutions Toronto | January 2017 – April 2017

- Developed new features to capture user data using React Native, Ruby on Rails, and SQL
- Collaborated with business to ideate new features for an application used by 1000's of customers

## PROJECTS

**STUDENT PATHWAYS CHALLENGE** | Agile, JIRA, Javascript, React, Python, Node.js

🔗 [Communitichies/student-pathways-challenge-prototype](#)

As Project Manager, I developed a project plan for the timely completion of a compelling Proof of Concept, which won 2<sup>nd</sup> place and a \$13,000 cash prize in a competition involving over 50 teams across Ontario.

**DATA STRUCTURES AND ALGORITHMS** | C++, Xcode, Visual Studio

🔗 [DaivikGoel/Data-Structures-and-Algorithms](#)

Created various data structures such as Doubly Linked Lists, Deques, AVL Trees and Hash Tables. I also created a version of the Dijkstra's Algorithm.

**2048 REPLICA** | Java, Android Studio

🔗 [DaivikGoel/2048](#)

Created a 2048 Replica using Android Studio that determines direction by reading the phone's sensors.

## VOLUNTEERING

**ENGINEERING SOCIETY OF WATERLOO** | Engineering Director of Charities

Organizing various events around Campus to raise funds for various charities.