

# 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

**SHAW COMMUNICATIONS** | Digital Solutions Architect Calgary | May 2018 – August 2018

- Conceptualized various Cloud and Network Architectures using Amazon Web Services and other in-house Shaw technologies 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 other Architects and Project Managers in Shaw and Comcast to create Architecture Assessments that pushed Shaw's agenda of moving towards automation and external systems
- Created various Solution Synopses focusing on Customer Impact, Technical Requirements and Network Technologies for senior management and development teams across Shaw to approve and implement

**ROYAL CANADIAN AIR FORCE** | Solutions Developer Kitchener | September 2017 – December 2017

- Designed the Department of National Defense's first Mobile Application to further their vision of developing technical solutions to solve their legacy issues
- Developed concept designs using various tools such as User Journey Maps and conducted User Testing to gain feedback before releasing the app to all 17,000 Air Force members
- Led the development of the application using React Native, MySQL, Node.js and the Agile methodology
- Provided consultation on a wide variety of proprietary projects to various wing commanders around Canada resulting in the Air Force investing in more technology driven initiatives

**MOSAIC SALES SOLUTIONS** | Enterprise Developer Toronto | January 2017 – April 2017

- Developed new features using React Native, Ruby on Rails, and SQL in an Agile and Scrum environment
- Collaborated with the Business Analysts to conceive new features to offer clients such as Samsung

## PROJECTS

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

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

As Project Manager, I led a development team of 5 to 2<sup>nd</sup> place receiving a \$13,000 cash prize in a competition involving more than 50 teams across Ontario. I did this by executing a Project Plan for timely completion of a competitive and compelling Proof of Concept.

**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. It 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