

# Daivik Goel

2B Computer Engineering - University of Waterloo

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## SKILLS

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|------------------|--|
| Languages        | Javascript, C++, C, HTML, CSS, Java, SQL, Ruby, Bash, Matlab, ARM, VHDL, Verilog |
| 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** | Digital Solutions Architect

Calgary | May 2018 – August 2018

- Conceptualized various Cloud and Network Architectures using Amazon Web Services and other in-house Shaw technologies
- Focused on adapting Shaw's systems to transition Serverless Technologies such as Amazon Lambda
- Collaborated with other Architects and Project Managers to create various Architecture Assessments for incoming business requirements
- Created various Synopses focusing on Customer Impact, Technical Requirements and Network Technologies

**ROYAL CANADIAN AIR FORCE** | Solutions Developer

Kitchener | September 2017 – December 2017

- Pioneered the development of the Department of National Defense's first Mobile Application as an innovative solution to the Air Force's existing problems
- Developed concept designs and implementations using various tools such as User Journey Maps
- Led the development of the application using React Native, MySQL, Node.js
- Provided consultation on a wide variety of proprietary projects to various wing commanders around Canada

**MOSAIC SALES SOLUTIONS** | Enterprise Developer

Toronto | January 2017 – April 2017

- Developed new features and implementations using React Native, Ruby on Rails, and SQL
- Collaborated with the Business Analysts to conceptualize new features to offer clients

## PROJECTS

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

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

As Project Manager, I led a development team of 5 to Second Place in a competition involving 150 other 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