

# Daivik Goel

2B Computer Engineering

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## SKILLS

Languages	Javascript, C++, C, HTML, CSS, ARM, VHDL, Verilog, Ruby on Rails, Matlab, Bash, Java
Frameworks	Node.js, React, Redux, MySQL, PHP myAdmin
Software Tools	Omnigraffle, Xcode, Android Studio, Amazon Web Services, UNIX, Postman, Git
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