

SUJEETHAN VIGNESWARAN

developer & environmental engineer

EXPERIENCE

MEMBER OF BOARD OF DIRECTORS

Friends of the Rouge Watershed | Jan 2018 - Present

- ▶ Endorsed the creation of the **Rouge National Urban Park**
- ▶ Ensures development in the National Park is done in a **sustainable** manner that prioritizes **environmental integrity**
- ▶ Advocate for youth in the community by running an annual **Youth Environmental Apprenticeship Program**

BIG DATA DEVELOPER

StackPros & DRVN Intelligence | Sept 2019 - Jan 2020

- ▶ Directed the **data engineering** component of a **Multi-Petabyte Healthcare Analytic deployment** proposal with Google Partner Engineers and Google Sales Engineers within a **four week timeline** for a **Multi-Billion Dollar North American Hospital Network** *NDA
- ▶ Integrated three products onto the **Google Cloud Marketplace**, working heavily in **Terraform, Kubernetes** and **CICD**.
- ▶ Led the adoption of **IaC** by authoring a **45 page** internal tool onboarding document named the **"Terraform Bible"**

MARKETING INTELLIGENCE AUTOMATION ENGINEER

Loblaw Digital | Jan 2019 - April 2019

- ▶ Designed **4 micro-service** based internal tools on **Kubernetes** with **Google Cloud Platform** to save over **11 hours/week**
- ▶ Automated the creation of **Marketing Big Data ETL pipelines**
- ▶ Conducted **Big Data Analytics** using **BigQuery** and **Oracle SQL**
- ▶ Designed and performed custom **AB Tests** to increase return on audience based marketing advertisement spend (**ROAS**)
- ▶ Organized a company tree planting event in the Rouge Park
- ▶ Lead the **Alpha Test for Google Cloud for Marketing** integration with Loblaw Digital's Marketing technology

NATURE RESERVES TECHNICIAN & FULL STACK DATABASE DEVELOPER

Ontario Nature | July 2018 - Sept 2018

- ▶ Tracked and monitored endangered snakes and turtles
- ▶ Created a **Full Stack Application** for an Ontario Nature Reserves Database using **Angular JS, PHP, and MySQL**

WATER MONITORING CONSERVATION TECHNICIAN & FRONT END WEB DEVELOPER

Friends of the Rouge Watershed | July 2017 - Sept 2017

- ▶ Monitored water quality and restored forests in the Rouge Park
- ▶ Used knowledge of **HTML, CSS, JS, Photoshop & Illustrator** to create custom elements on the website and outreach material

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CERTIFICATIONS

Google Cloud Professional Data Engineer

Certification ID: yN5sJV

Expiration Date: 20 Dec 2021

Google Cloud Professional Cloud Architect

Certification ID: HN9kSx

Expiration Date: 28 Nov 2021

SKILLS

Linux / Unix	Big Data	Hadoop Ecosystem
Windows	Tableau	Cloud Computing
Python	Flask	Google NLP API
Bash	MVC	& Healthcare API
MATLAB	Agile	
Docker	REST	Distributed
Kubernetes	JIRA	Computing Systems
Terraform	Git	
IaC	Data Pipelines	Operationalizing
ETL	Database Systems	Machine Learning
CICD	Data Modelling	Models
OOP	Automation	
SQL	Google Cloud	
NoSQL	Platform (GCP)	

EDUCATION

UNIVERSITY OF WATERLOO

B.ASc, Environmental Engineering

Option in Statistics, Specialization in Hydrology

AWARDS

Canada's Top 25 Environmentalists Under 25

- The Starfish Canada

Canada 150 Youth Award for Environmental Stewardship

- The House of Commons of Canada

PROJECTS

LEEF Sensor

Winner of Best IoT Hack
uW Energy Hacks

Created an IoT based HVAC energy monitoring system that does predictive analysis of Big Data using AutoML on Google Cloud Platform.

Swift Check

Hack the North

Created a machine learning classifier self-checkout web application.
www.swift-check.com