SUJEETHAN VIGNESWARAN

developer & environmentalist

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EXPERIENCE

MEMBER OF BOARD OF DIRECTORS
Friends of the Rouge Watershed | Jan 2018 - Present

Directs the growth and development of the organization
Endorsed the creation of the Rouge National Urban Park
Organized **several large scale community and enterprise tree planting events**

BIG DATA DEVELOPER
StackPros & DRVN Intelligence | Sept 2019 - Jan 2020

Tech lead for the creation of a **Marketing Budget Management and Pacing Tool** for **Google's Cloud for Marketing Initiative**
Created and deployed a **minimum viable product** solution on the **Google Cloud Platform Marketplace**
Developed custom **Kubernetes** based **micro-service** applications on Google Cloud
Pioneered the adoption of **Terraform** for the organization & wrote a **45 page** onboarding booklet lovingly named the *Terraform Bible*

MARKETING TECHNOLOGY AUTOMATION ENGINEER
Loblaw Digital | Jan 2019 - April 2019

Designed **4 micro-service based internal tools** on **Kubernetes** with Google Cloud Platform to automate over **11 hours/week** of time that was previously wasted on repetitive employee toil
Automated the creation of **Marketing Big Data ETL pipelines**
Organized a company tree planting event in the Rouge Park
Conducted **big data analytics** using Big-Query and SQL
Designed and preformed custom **AB Tests** to increase return on audience based marketing spend
Lead the **alpha test for Google Cloud for Marketing** integration with Loblaw Digital's Marketing technology

FULL STACK & DATABASE DEVELOPER
Ontario Nature | July 2018 - Sept 2018

Created a **full stack application** for a nature reservers **database** application using **Angular JS** and **MySQL**
Developed a tool that was used on a **Provincial** scale

FRONT END WEB DEVELOPER
Friends of the Rouge Watershed | July 2017 - Sept 2017

Rebranded the online presence of the organization through the creation of their **website** and updated **social media**
Used knowledge of **HTML, CSS, JS, Photoshop & Illustrator** to create custom elements on the website and outreach material

SKILLS

Linux	Mac	Windows
Python	SQL	Bash
Terraform	Docker	Kubernetes
Big Data	IaC	ETL
CI/CD	Agile	Git

Google Cloud Platform
POC & MVP Creation
Distributed Computing Systems
Solutions Architecting

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 uses big data analytics on GCP.

PC Express Campus Model
**Winner of Customer Centric Award
Loblaw Digital Internal Hack-a-thon**

Created a campus grocery delivery business model.

Swift Check
Hack the North

Created a machine learning classifier self-checkout web application.

EDUCATION

University of Waterloo
B.ASc, Environmental Engineering
Expected Graduation 2023