

# SUJEETHAN VIGNESWARAN

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## WORK EXPERIENCE

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### Cloud Systems Engineer

Replicant

May 2022 - December 2022

San Francisco, CA

- Developed and implemented an innovative auto-scaling strategy to reduce cloud costs by \$300K annually, while simultaneously improving the customer experience through improved availability and performance.
- Implemented a cost optimization program through developing cloud cost monitoring dashboards, resulting in a 20% reduction in overall cloud costs for software developers, NLP scientists, and ML engineers.
- Developed and executed a comprehensive testing plan to identify and prevent false-positive alerts, resulting in a 95% reduction in erroneous on-call page notifications.

### Site Reliability Engineer

Loblaw Digital & Loblaw Companies Limited

January 2021 - December 2021

Toronto, ON

- Designed Kubernetes namespace monitoring dashboards that provided actionable insights leading to a 15% decrease in unnecessary resource usage, resulting in an annual savings of \$200K.
- Developed and implemented a cloud-based licensing automation system that cut licensing fees by \$120K annually, resulting in a 20% cost reduction for the company.
- Developed Terraform modules to enable developers to host web applications on Google Cloud, reducing deployment time by 90% and increasing resource utilization efficiency by 20%.

### Product Manager

Loblaw Digital

January 2020 - December 2020

Toronto, ON

- Developed and executed a comprehensive go-to-market strategy for the 2022 PC Optimum Points Days Event, resulting in a week-long revenue of \$1.3B and an increase of 25% in user engagement.
- Created detailed user stories for Front-end, Back-end, Analytics, and QA development for the event which was experienced by over 18 million users. Decreased development time by 10% through efficient collaboration with cross-functional teams.
- Designed an A/B test to evaluate the impact of time-urgency on user experience and buying habits during the event. Improved conversion rates by 30%, enhancing overall customer satisfaction.

### Big Data Software Engineer

DRVN Intelligence

September 2019 - December 2019

Toronto, ON

- Developed an innovative system architecture for a digital media advertising platform, resulting in a 80% reduction in deployment time and enabled customer acquisition.
- Designed and implemented ETL pipelines in Apache Airflow & Beam for multiple big data projects, resulting in faster data processing times by up to 40%, improved data quality by 25%, and reduced costs by \$500K annually.
- Enabled the successful acquisition of Google Cloud Engineer Partner status by passing both Google Cloud Professional Data Engineer and Google Cloud Professional Cloud Architect certifications, resulting in a 95% increase in business opportunities.

## EDUCATION

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### University of Waterloo, Faculty of Engineering

BASc in Environmental Engineering & Minor in Management Engineering

Waterloo, ON

Relevant Courses: Digital Computation, Statistics, Operations Management, Introduction to Complex Systems  
Capstone Project: Genetic Algorithm Optimization of EV-Charging Infrastructure Locations along Highway 401.

## SKILLS

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### Certificates

Google Cloud Professional Data Engineer & Professional Cloud Architect

### Technology

Docker, Kubernetes, Terraform, Linux, Python, SQL, Go, PagerDuty, JIRA