

# SHANTHOSH PUSHPARAJAH

shanthosh.info

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## EDUCATION

### University of Waterloo

Systems Design Engineering  
Cognitive Science Minor

Expected Graduation Apr '22

## SKILLS

### DEVELOPMENT

Java

Python

SQL

JavaScript

Swift

C++

HTML/CSS

### TECHNOLOGIES

Google Cloud Platform

Apache Beam

BigQuery

Dataflow

Airflow

React-Native

Node.js

Git

## AWARDS

### Hyundai Scholar

Received \$10,000 for  
excellence of leadership and  
community service

### Scholarship of Distinction

95%+ admission average to  
the University of Waterloo

## EXPERIENCE

### Technical Program Manager - Cognite AS

Stavanger, Norway | May '20 - Present

Leading the Cognite & Aker BP Subsea R&D package to represent Subsea data models in Cognite Data Fusion for early identification of high risk anomalies

### Software Engineer - Cognite AS

Oslo, Norway | Jan '20 - Apr '20

Built 3 new microservices to the **Cognite Java Beam SDK** to support high concurrency across threads for P&ID and file contextualization

Implemented and discussed architectural decisions to scale services through batching and parallel processing pipelines using **Beam**, **Airflow** and **Dataflow**

Deployed **Python** workflows to efficiently aggregate and extract data using **Azure Logic Apps** and **Google Run**

### Software Engineer - Elastic.io GmbH

Bonn, Germany | May '19 - Aug '19

Incorporated background flow control services on the Elastic.io internal **Node.js library** to support consumption limitations imposed by the API

Developed 5+ CRM **REST API connectors** and deployed a **Node.js pipeline** to automate sales tasks, reducing the existing 7 step sales process to only 5 steps

### Full Stack Developer - Sprout

Toronto, Canada | Sept '18 - Dec '18

Utilized **TDD** to build end-to-end features for account deletion and single sign-on for the Sprout At Work **React-Native** application

Crafted new **RESTful API endpoints** in **PHP** and optimized pre-existing endpoints by refactoring and simplifying **MySQL queries**

### Software Developer - Maple Leaf Foods

Toronto, Canada | Jan '18 - Apr '18

Developed an iOS app in **Swift** that allows supervisors to keep track of employee downtime - App is currently deployed in three poultry plants in Canada

## PROJECTS

### Content Creator - youtube.com/16weeksofinternships

Building a community with a goal of providing students with insights into the tech industry through a series of vlog styled youtube videos (**550+** subscribers)