SHANTHOSH PUSHPARAJAH

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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
Cloud Run
Cloud Functions
Docker
Kubernetes
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 development team for the Cognite Subsea R&D package in partnership with one of Europe's largest independent Oil & Gas producer, Aker BP

Responsible for supporting the ingestion of Subsea risk models and relationships to provide data for high risk anomaly analysis

Communicating directly with stakeholders and domain experts to define key requirements and analyse scalable strategies to establish a technical vision

Software Engineer - Cognite AS

Oslo, Norway | Jan '20 - Apr '20

Developed a new microservice to the Cognite Java Beam SDK to support P&ID and file contextualization through concurrent processing of large amounts of files

Implemented and discussed architectural solutions to scale services through parallel and batch processing pipelines using Java Beam, Airflow and Dataflow

Designed and developed highly scalable ETL processes in Java and Python for collecting siloed Oil & Gas asset hierarchy for business intelligence

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

Built 3 new REST API connectors and deployed a Node.js pipeline to automate internal 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 mobile 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

Built and supported an iOS app in Swift that allows supervisors to keep track of employee downtime - App is currently deployed in 4 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)