

# Reza Rajan

rezarajan@gmail.com | 1.407.649.0447 | GitHub | LinkedIn

## EDUCATION

### DATA ENGINEER

UDACITY NANODEGREE  
Grad. 2024 | Courseware

### CLOUD DEVOPS ENGINEER

UDACITY NANODEGREE  
Grad. 2022 | Courseware

### SELF-DRIVING CAR ENGINEER

UDACITY NANODEGREE  
Grad. 2021 | Courseware

### DATA ANALYST

UDACITY NANODEGREE  
Grad. 2020 | Courseware

### UNIVERSITY OF WATERLOO

BASC MECHANICAL ENGINEERING  
Grad. 2020 | Waterloo, ON

## SKILLS

### PROGRAMMING

#### LANGUAGES

Python • Go • SQL • C++ • Rust

#### DATA FRAMEWORKS, LIBS & UTILS

Airflow • Kafka • PySpark • Pandas • SciPy • Numpy

#### TOOLING

Ansible • Terraform • Docker • Kubernetes • Nix • Traefik • Git

#### DEVOPS METHODOLOGIES

CI/CD • Container Orchestration • Infrastructure as Code

#### AWS

AWS Cloudformation • AWS Iceberg • AWS Athena • AWS Redshift • AWS Step Functions

### COMMUNICATION & LEADERSHIP

Cross-Team Communication • Remote/Asynchronous Development • Project Management (JIRA/SmartSheet)

## EXPERIENCE

### MOCHI - DeFi/Web3 | Stake Pool Operator

Dec 2022 - Present | Remote

- Provisioned highly available infrastructure to run Cardano nodes, using Proxmox, Terraform, Ansible and K3s; *reduced prior manual infra provisioning efforts from hours to seconds*
- Partnered with Cardano ecosystem projects to deliver blockchain introspection and transaction submission services
- Deployed monitoring and alerting solutions with Grafana and Prometheus for production environments; *reduced incident response times from hours to minutes*
- Built ARMv8-A application binaries for deployment on a K3s cluster

### MYKAARMA - AUTOMOTIVE | DATA ENGINEER

Jul 2023 - Jan 2024 | Remote, Florida, USA

- Developed big data processing tooling in Python and Java to generate tailored customer reports, at daily, weekly and monthly scales; *improved report generation speeds by up to 70%*
- Automated report generation and delivery tasks for customers, using AWS State Machines and Lambda functions, with SLA guarantees; *reduced weekly missed report incidents to zero*
- Worked alongside infrastructure and reporting teams on a multi-phase project plan for the development and deployment of a new data lakehouse architecture, to replace the legacy self-managed production data warehouse
- Successfully coordinated a small-scale proof-of-concept of the data lakehouse architecture with the reporting team, which replicated a subset of functions of the production data pipeline; *parallelized report generation processes and reduced operational costs by up to 80%*

### MYKAARMA - AUTOMOTIVE | PRODUCT DATA ANALYST

Feb 2022 - Jul 2023 | Remote, Canada

- Developed data products for customers, which were utilized to inform logistical and operational decisions on a daily basis; *created new revenue streams from hundreds of business clients*
- Introduced Power BI to Product Managers, enabling self-serve analytics across teams; *increased data transparency within the organization*
- Conducted a proof-of-concept with the reporting team, for a real-time data pipeline using Airflow, AWS S3 and AWS Redshift
- Performed product utilization analysis to highlight product KPI metrics, and identify key areas in which the organization may improve service to customers; *used by product leads in stakeholder meetings*

### THE GROWING COMPANY - AGRICULTURE STARTUP | CO-FOUNDER

Mar 2019 - 2020 | Waterloo, ON

- Co-founded a startup focused on bringing reliable, scalable and efficient agriculture to small island countries
- Communicated with small farmers in the Caribbean, and the Ministry of Agriculture in Trinidad as part of a research effort to understand agricultural painpoints
- Collaborated with a mechanical engineer to design a containerized farm environment, facilitating the development of environment control software and of cost-effective sensor/actuator hardware; *decreased product iteration cycles from weeks to days*