

# REZA RAJAN

Data Engineer

☎ 1-407-649-0447  
✉ reزارajan@gmail.com  
🌐 /in/reزارajan  
🔄 reزارajan

## Experience

### Mochi

CTO / Co-Founder

Dec 2022 - Present

*Technologies: SQLite, InfluxDB, Ansible, Terraform, Kubernetes*

Self-hosted, independent network and infrastructure service provider for the Cardano blockchain network and associated ecosystem projects.

- Architected a CI/CD build pipeline for containerized application binaries on both x86\_64 and ARMv8-A processors
- Automated the provisioning of highly available infrastructure using proxmox, Terraform, Ansible and K3S, *reducing overall recovery time objectives*
- Deployed monitoring and alerting solutions with Grafana and Prometheus, *reducing incident detection times from hours to minutes*

### myKaarma

Data Engineer

Jul 2023 - Jan 2024

*Technologies: Python, SQL, Flink, Kafka, AirFlow, Java, Redshift*

Data Engineer at an automotive PaaS company, transitioning the company's data warehouse architecture to a modern lakehouse aimed at scalability and real-time, self-service analytics.

- Collaborated with cross-functional teams to design and deploy a data lakehouse architecture on AWS, incrementally replacing the legacy production data warehouse
- Developed and deployed big data processing jobs using Python and AWS Glue, *reducing query times on large datasets by 70%* compared to SQL stored procedures on the data warehouse
- Automated customer report generation and delivery using AWS State Machines and Lambda functions, with SLA guarantees, *reducing late report delivery incidents by 99%*

Data Analyst

Feb 2022 - Jul 2023

*Technologies: Python, SQL, PowerBI*

Data Analyst tasked with requirements gathering, report generation and automation, for business clients and internal stakeholders.

- Developed data products and reports for *over 500 business clients*
- Enabled simple self-service analytics through integration of limited data sources with Power BI, *reducing ad-hoc report requests by 10%*
- Provided quarterly KPI reports for internal stakeholder meetings, driving insights for key areas of service improvement
- Spearheaded a proof-of-concept initiative for stream data processing and reporting using Kafka, Flink, Airflow, AWS S3 and AWS Redshift

## Education

University of Waterloo

BASc Mechanical Engineering  
2015- 2020

## Certifications

🔗 Data Engineer

Udacity - 2024

🔗 Self-Driving Car Engineer

Udacity - 2021

🔗 Data Analyst

Udacity - 2020

## Skills

### Databases & Visualization

Grafana - PowerBI

InfluxDB - PostgreSQL -  
MariaDB - AWS Redshift -  
SQLite

### Data Analysis & Analytics

Python - SQL

Seaborn - Matplotlib - Plotly -  
Pandas - SciPy - Numpy

Apache Airflow - Kafka - Flink -  
Spark - AWS Glue - dbt

### Programming & Systems

Python - Golang - Git - Docker -  
Kubernetes

Ansible - Terraform - OpenTofu

Linux - Nix