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

COURSEWORK

ONLINE
CI/CD Pipelines, Container Orchestration, Infrastructure as Code, Deep Learning, System Integration, A/B Testing

UNDERGRADUATE
Autonomous Mobile Robotics
Digital Logic & Control Theory
Kinematics & Dynamics

SKILLS

PROGRAMMING
Languages
Python • Go • SQL • C++ • Rust

Data Frameworks, Libs & Utils
Airflow • Kafka • PySpark • Pandas • SciPy • Numpy

TOOLING
Deployment Tools
Ansible • Terraform • Docker • Kubernetes • Nix • Traefik

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

EXPERIENCE

MYKAARMA | Data Engineer
Jul 2023 – Jan 2024 | Remote, Florida, USA

- Developed data processing tooling in Python and Java, for the generation big-data, tailored customer reports at a daily, weekly and monthly scale; *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
- Architected a data lakehouse on AWS based on the Medallion architecture, as a replacement for the legacy self-managed data infrastructure within the organization
- Worked with infrastructure and reporting teams to create a multi-phase project plan for the development and deployment of the proposed data lakehouse architecture
- Successfully coordinated a small-scale proof-of-concept of the data lakehouse architecture with the reporting team, which replicated a limited subset of functions of the production data pipeline; *parallelized report generation processes and reduced operational costs by up to 80%*

MYKAARMA | 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; *introduced 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*
- Worked with reporting and infrastructure teams to develop a proof-of-concept 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*

MOCHI | Stake Pool Operator
Dec 2022 - Present | Remote

- Provisioned highly avilable infrastructure to run Cardano nodes, using Proxmox, Terraform, Ansible and K3s
- Partnered with Cardano ecosystem projects to deliver blockchain introspection and transaction submission services
- Integrated logging and alerts for production node and submit services via Grafana and Prometheus
- Built ARMv8-A application binaries for deployment on a Turing RK1 cluster