Reza Rajan

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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

PROJECTS

HOMELAB | Personal
Two homelab environments are created by:
- Installing Proxmox on a desktop PC, and Intel NUC
- Using Ansible to configure VMs, and Portainer as a container management system

CARDANO STAKE POOL | Personal
A stake pool is created on the Cardano mainnet network by:
- Containerizing program binaries
- Provisioning infrastructure on DigitalOcean and Proxmox
- Automating deployments using Docker Compose and Kubernetes
- Bootstrapping funding using DeFi products such as Liquidity Bonds

EXPERIENCE

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

- TODO

MYKAARMA | Product Data Analyst
Feb 2022 – Present | Remote, Canada

- Founding member of the Data Analytics team; established a single-source-of-truth within the organization
- Productized insights projects, which were then sold to customers as optimization tools for services
- Worked with reporting and infrastructure teams to create a new data pipeline, with real-time analytics as a focus
- Introduced Power BI to Product Managers, empowering other teams to conduct their own analytics research without learning code
- Performed product utilization research to identify key areas in which the organization may improve service to customers

THE GROWING COMPANY | Co-Founder & Embedded Engineer
Mar 2019 – 2020 | Waterloo, ON

- Co-founded an agriculture startup focused on reliability and scalability through automation
- Designed the software architecture based on composability, to allow rapid testing of different sensor/actuator configurations
- Developed an environment control system in Python, which uses sensor data and actuators to maintain consistent agricultural environments
- Displayed proof-of-concept by successfully growing a plant without human supervision