

Reza Rajan

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EDUCATION

CLOUD DEVOPS ENGINEER

UDACITY NANODEGREE
Grad. 2022 | Online

SELF-DRIVING CAR ENGINEER

UDACITY NANODEGREE
Grad. 2021 | Online

DATA ANALYST

UDACITY NANODEGREE
Grad. 2020 | Online

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

LINKS

GitHub | LinkedIn

SKILLS

PROGRAMMING

Python • C++ • MATLAB • SQL
TensorFlow • Keras • Pandas • Numpy •
SciPy • Eigen • Git

AUTOMATION

- Ansible
- CircleCI
- AWS CloudFormation
- Docker
- Kubernetes

NETWORKING & CLOUD

- NGINX
- Traefik
- Proxmox

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

A/B TESTING | UDACITY

An A/B test is performed to analyze website user conversion data by:

- Wrangling and cleaning data using Pandas
- Performing exploratory data analysis between the control and treatment groups of users
- Hypothesis testing user conversion rates

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 | 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

VOLTEC ENGINEERING | TRAINEE ENGINEER

Jan 2016 – April 2016 | Trinidad & Tobago, W.I.

- Re-modeled the company's server architecture to lower maintenance costs.
- Created a script to automate the import of 3D sub-surface data to a CAD file as contours, saving drafting teams hours of labour.