

REZA RAJAN

Data Engineer

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🔗 reزارajan

Mochi - Co-Founder & DevOps Engineer

Dec 2022 - Present

- Architected a CI/CD pipeline for building, testing and deploying of multiplatform containerized applications, *reducing deployment errors by 90%*.
- Employed automation and Infrastructure-as-Code to provision highly available infrastructure using Proxmox, Terraform, Ansible and K3S, *enabling 98% operational reliability and reducing overall recovery time by up to 40%*.
- *Reduced incident response time by 60%* through deploying comprehensive real-time monitoring solutions using Grafana and Prometheus, resulting in faster issue resolution and increased service availability.
- Developed Python scripts for blockchain observability and processing of block minting schedules.
- Authored and published internal documentation and guides using Hugo, *reducing ad-hoc knowledge-sharing requests by 80%*.

myKaarma - Data Engineer

Jul 2023 - Jan 2024

- Collaborated with cross-functional teams to design a cloud data lakehouse architecture on AWS.
- Built data infrastructure and ETL/ELT pipelines using Python, Airflow, S3, AWS Glue and Redshift.
- Automated customer report generation and delivery using AWS State Machines and Lambda functions, with SLA guarantees.
- Deployed a PoC ETL pipeline using Airflow and PySpark, which *reduced message data processing times by 70% over stored procedures*.

myKaarma - Data Analyst

Feb 2022 - Jul 2023

- Performed requirements gathering for group-level reports from external clients.
- Developed and deployed reports to the MySQL data warehouse using stored procedures.
- Integrated data sources with PowerBI to enable self-service analytics.
- Managed and extended MySQL data warehouse tables in accordance with reporting requirements.

Urban Shelter Technologies - Software Engineer

Jun 2018 - Jul 2019

- Developed a prototype web-interface in React for the company's house listing platform.
- Implemented user authentication and SSO using Firebase authentication.

BlueFire Technologies Inc. - Software Engineer

Sep 2016 - Aug 2017

- Developed and deployed the front-end infrastructure for a Canadian food-delivery platform, on both web and Android.
- *Reduced data consumption on back-end requests by 65%* through front-end payload optimization.

Certifications

🔗 Data Engineer

Udacity - 2024

🔗 Self-Driving Car Engineer

Udacity - 2021

🔗 Data Analyst

Udacity - 2020

Education

Bsc. Mechanical Engineering

University of Waterloo
2015- 2020

Awards

University of Waterloo President's Scholarship of Distinction

2015

Languages

English - Native

Technical Skills

Programming Languages:

python, golang, sql, bash, nix

Data: postgresql, mariadb, sqlite, redshift, influxdb, cassandra, mongodb, s3, flink, lambda, dbt, airflow, kafka, spark, elasticsearch, etl/elt

Visualization: grafana, power bi, looker studio, plotly

Data Libraries: pandas, scipy, numpy, tensorflow, pyspark

Infrastructure: linux, docker, kubernetes, aws, proxmox, ansible, terraform, opentofu

GitOps: git, github actions, ci/cd