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<https://skamranh.github.io/>

Summary

2 years of experience in data analysis, developing production machine learning models.

2 years of experience in setting up ETL pipelines using Apache Airflow and Spark.

3+ years of experience in SQL and NOSQL databases

3+ years of experience in contributing to efficient C++, JAVA, Ruby, Python, PHP; collaborating using GIT(Gitlab and Github) and contributing to dashboards and backend software development

3+ years of experience in Linux System administration and System Design principles.

Experience

Data Science Consultant

Otricath

Apr 2022 - Aug 2022 (5 months)

- Created foundation for data collection and analysis, reducing inaccuracies across more than 100 KPIs
- Developed SQL schema, and designed ETL pipelines for extracting and processing data for analysis and ML Model.
- Setup dashboard in Flask and analyze KPIs, minimizing complexity in analysis and accelerated research output.

Manager - Cloud Engineer

VIRTUALUS

Jan 2021 - May 2022 (1 year 5 months)

- Run A/B testing, ANOVA and T-Tests for Client retention and onboarding.
- Developed Apache Spark stream for continuous processing of Financial, Cloud Monitoring, Retention, Web Analytics data for different ML Models.
- Proposed and released managed Software as a Service model which covered new market segment, increased revenue by 10%.
- Developed CI/CD pipelines for automated updates and timely patches for entire infrastructure, using Gitlab CI/CD, Ansible, Terraform etc reducing release delivery times from 1-2 months to less than 4 days with fewer resources.
- Lead the team and contributed to fine tuning of Virtualization drivers and Storage stack, which improved benchmark results by 30% on existing servers.
- Setup website analytics and accelerated social media campaigns, increasing sales and global reach by 20%.
- Maintained Agile Development lifecycle of in house Products developed using SQL, Sinatra, Flask, PHP, JAVA and C++

Cloud Engineer

VIRTUALUS

Sep 2019 - Jan 2021 (1 year 5 months)

- Maintained private fork of open-source projects and private projects, including maintaining releases and patches. Increasing collaboration efforts across 3 different teams.
- Designed version-based backup and disaster recovery solution, using Ruby, Python, C++ and Qemu-API, diversifying cloud offerings and reducing third party dependence further 20%.
- Innovated foundation and developed (opensource) public cloud provisioning tool, created backend using PHP, SQL and opennebula-API. Resulted in growing onboarding of startups and private cloud consultants.
- Innovated DevOPS pipelines for generating Linux package repositories of current projects, eliminating human error by 100%.
- Expanded current database and underlying data models, for diverse data collection, helping in customer retention and marketing across 2 departments.

Education



University of St. Thomas (TX)

Master of Data Science, Computer and Information Systems Engineering



NED University of Engineering and Technology

Licenses & Certifications

 **Machine Learning** - RMIT University

Skills

Data Analysis • JAVA/C++/Python/PHP/Ruby • Docker • Kubernetes • Cloud • Apache Spark • Apache Airflow • R/Matlab • Neural Networks • SQL