BERNARDO SANDI

DATA AND ML ENGINEER

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EXPERIENCE

Senior Data Engineer I – AI Data Architect | McKinsey

JAN 2022 – PRESENT, TORONTO, ON

- Led ML engineers and Data scientists teams of 3-4 engineers to productionize ML PoC
- Deployed ML systems for multiple Fortune 500 clients
- Developed Forecasting and Optimization models
- Designed ML systems at scale using MLOps best practices

Data Engineer | Ratehub

APR 2021 – DEC 2021, TORONTO, ON

- Deployed Airflow 2 with Kubernetes executor on EKS
- Migrated ETL pipelines to Airflow 2
- Maintained Data pipelines, Data Warehouse and Data Lake
- Created pipelines to automate text extraction from PDF documents

Data Engineer / Scientist | EQ Works

FEB 2020 – APR 2021, TORONTO, ON

- Setup and maintained Airflow on EKS
- Created ETL pipelines on Airflow, using EMR, ECS and Kubernetes tasks
- Built Spark jobs for data processing in EMR
- Applied ML models for indices creation, audience build optimization
- Developed APIs using AWS Lambda to deliver insights

DevOps Engineer (Contract Full-time) | TD

APR 2019 – SEP 2019, TORONTO, ON

- Implemented CI/CD pipelines using Jenkins and Docker
- Provided infrastructure in TD's private Cloud
- Developed and reviewed Python and bash scripts for automation tasks

EDUCATION

BrainStation | Diploma, Data Science

SEP 2019 - DEC 2019, TORONTO, ON
Technologies: Python, TensorFlow, Keras, AWS, SQL, Tableau, Hadoop, Spark

Concordia University | Graduate Diploma in Computer Science

SEP 2017 – AUG 2018, MONTREAL, QC
Technologies: Java, SQL, C++

IE Business School | Master in Management

SEP 2015 – JUL 2016, MADRID, SPAIN

2nd of 46. Dean's list (top 5% class)

SKILLS

Python, Machine Learning, Spark, ETL, Airflow, SQL, Kubernetes, Docker, Git, AWS (Lambda, EMR, EKS, RDS, EC2, S3), Google Cloud, Azure, Deep Learning, LLM, MLOps

PROFILE

ML Engineer, deploying ML models at scale using MLOps principles and cloud services.

PROJECTS

ChatBot using LLMs, a project to evaluate the performance of a ChatBot using a fine-tunned LLM or an LLM leveraging RAG

CERTIFICATIONS

AWS Certified **Machine Learning – Specialty**

AWS Certified **Solutions Architect – Associate**

Microsoft Certified: **Azure Data Engineer Associate**

Microsoft Certified: **Azure Fundamentals**

Machine Learning Engineering for Production (MLOps) Specialization Coursera