VIVEK TRIVEDI

📞 +1-773-682-9835   @ vivtri2@gmail.com   🔗 www.linkedin.com/in/Vivek-Trivedi/

SKILLS

Cloud Infrastructure

AWS (Lambda, EC2, CloudFormation), Azure (Blob, DataFrame writer) Databricks, IBM Cloud, Terraform, Veeva

Artificial Intelligence and Analytics

IBM AI, PySpark, MLOps (CloudWatch), IBM SPSS Modeler - (K-Means Clustering, Logistic and Linear Regression, Decision Trees)

Programming Languages and Libraries

Python (Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Django, Flask, Plotly, SciPy, Requests), R, Scala, Bash/Shell, TypeScript

Software Development and Operations

Agile (Scrum/Kanban), SDLC, Integration Tools (Postman, Apigee, SSIS, Zapier), Github, CI/CD (Jenkins), DevOps

Database and Data Management

SQL, SAS, DBMS, Data Mining, Big Data, NoSQL (MongoDB), LightSail, GQL

Process Management

Apache Airflow, MLflow (Databricks), Notebook Orchestration, Connectors

CERTIFICATIONS

☁️ **AWS Certified Solutions Architect - Associate SAA-C03**
Amazon Web Services (AWS) / March 2024

⚙️ **IBM AI Foundation for Business**
International Business Machines (IBM) / September 2020

📘 **Databricks Certified Associate Developer for Apache Spark 3.0 Scala**
Databricks / February 2021

EXPERIENCE

Backend Engineer

Virginia Department of Behavioral Health and Developmental Services - Evidence Based Practices

📅 01/2025 - 04/2025   📍 Richmond, VA

- Develop and maintain backend services using nHost, Cloudflare, Docker, and TypeScript to support GraphQL API functionality leveraging Git and Github for codebase management, issue tracking, and peer reviews.
- Migrate frontend logic to the backend by creating TypeScript functions that mirror client-side actions with proper data types and structures.
- Utilize tools like Postman and Retool for testing, debugging, and integrating API workflows to streamline development and improve data handling.

Big Data/Machine Learning Architect - Sr

Capital One

📅 07/2024 - 12/2024   📍 McLean, VA

- Perform comprehensive data quality checks as part of the Enterprise Systems Management (ESM) team, validating inputs from diverse vendors to ensure consistency, accuracy, and reliability in machine learning workflows.
- Design robust, secure, and well-managed code by implementing CI/CD best practices, including data validation tests within client specific data quality checks.
- Develop dashboards using AWS QuickSight integrating Snowflake data with automated hourly refreshes and real-time updates triggered by query changes.

Data Engineer

Deven Transport

📅 05/2023 - 10/2023   📍 Elk Grove Village, IL

- Implement GPS tracking with Verizon telemetry to capture real-time vehicle location and performance data, leveraging AWS Kinesis for ingestion and S3 for storage, and develop ETL pipelines using AWS Glue and PySpark to transform data for analysis.
- Building real-time maintenance alerts using AWS Lambda, SNS, and Pinpoint, and create forecasting analytics dashboards with AWS QuickSight. Deploy scalable infrastructure using AWS CloudFormation and infrastructure-as-code best practices.

Data Engineer

Beghou Consulting

📅 04/2021 - 04/2023   📍 Evanston, IL

- Engineer scalable data processing solutions using Scala, PySpark, and SQL in Databricks, including HL7 transfers, parameterized notebook workflows, and streaming pipelines tailored to dynamic client needs and delivery timelines.
- Build and manage HIPAA-compliant ETL pipelines for pharmaceutical clients using AWS, Azure, PySpark, Databricks, and Snowflake, enabling batch and near real-time reporting and improving address quality with SmartyStreets.
- Deploy a suite of AWS CloudWatch security alerts to mitigate risks across workspaces, billing, and project environments.

Business Intelligence Analyst / Report Analyst

Unifin Inc

📅 10/2019 - 03/2021   📍 Niles, IL

- Develop and implement business intelligence dashboards using PySpark, Plotly, Tableau, and IBM SPSS delivering actionable insights to manager and key stakeholders, thereby supporting business decisions based on account Value Tier.
- Engineer and optimize data acquisition and processing automation scripts using Python and SQL, significantly enhancing the data repository for target outreach campaigns, which result in more millions being collected than ever in company history.

EDUCATION

Master of Science in Information Systems Management

Loyola University Chicago Quinlan School of Business

📅 2019 - 2020

Bachelor of Science in Psychology

University of Illinois Urbana-Champaign

📅 2013 - 2016