

Taohid Shadat

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TECHNICAL SKILLS

Programming — Python, SQL, Bash, JavaScript • **Technologies** — Linux, Git, Excel, AWS, GCP, Apache, PySpark, Tableau, QuickSight, Figma, Jira, .NET, RedHat, Postgres

PROFESSIONAL EXPERIENCE

Bank of America

Feb 2024 – Present | New York, NY

Software Engineer

- Led a cross-functional team of **5** members, streamlining the conversion of complex eligibility schedule data from stakeholders, resulting in a more efficient and standardized data processing workflow.
- Developed a robust **C#** and **.NET** program for seamless integration of JSON files into **Microsoft SQL Server**, optimizing data transfer to the staging table and facilitating smooth data transformation using **SQL** stored procedures.
- Coordinated the migration of **40** critical servers from **RHEL 6** to **RHEL 8**, fortifying security measures, addressing vulnerabilities, and facilitating the installation of necessary libraries, applications, and code to ensure the integrity of essential applications for collateral trading while reducing downtime by **10%**.
- Spearheaded comprehensive testing procedures post-migration, collaborating globally to validate server functionality and optimize performance for the bank's core applications while meticulously documenting compliance, reference, and knowledge transfer processes.

GAN Integrity

Dec 2021 – Jun 2023 | New York, NY

Data Analyst

- Designed and implemented a real-time data pipeline architecture that standardizes various file formats into a target format to migrate **200k+** records of client data into a new SaaS platform using **Python**, **AWS**, and **Git**.
- Assisted with the overall technical design of **10+** modules for **1500+** users to ensure the features and performance meet the highest quality standards and business requirements; identify potential system failures.
- Engaged directly with clients to understand business needs and translate those needs into custom dashboards and analytical reports using **Amazon QuickSight**, helping to set the foundation of the Analytics Team for future scalability.

TIAA Financial Services

Jun 2022 – Sep 2022 | Charlotte, NC

Software Engineer Intern

- Assisted the Global Infrastructure Services team with analytics, audit, and deployment of the Cisco Nexus Dashboard.
- Developed an internal tool to help analyze and validate **9000+** records of enterprise network data within CMDB.
- Wrote and implemented an automated **Python** script and created a Flask web application to help detect and notify data variability between CMDB, Riverbed NetIM, and physical data centers within the enterprise.

Tishman Speyer

Feb 2022 – May 2022 | New York, NY

Data Analytics Intern

- Maintained and updated **SQL server** database by importing **3+** new data tables pulled from census reporting API.
- Performed sentiment analysis on **30,000** tenant comments using **Python** to evaluate property managers and services.
- Responsible for gathering requirements, managing, and developing **5+ Tableau** dashboards for **2** business stakeholders.

PROJECTS

JPMC Index Replication With NLP Constraints

Dec 2022

- Developed an interactive machine learning dashboard that uses NLP to analyze investment constraints from user text and optimize (using a MILP model) a list of stocks that mimic the performance of the S&P500

InerTIAA

Jul 2022

- Developed a 2-D Python Arcade game with a team of 7; helped lead and script the application's backend, presented to 1000+ employees, and won **1st place** for best idea/presentation in a company-wide 3-day innovation challenge

Senti-Bot

Dec 2021

- Collaborated with a team of 3 to develop a Machine Learning Flask web application using NLP to analyze user-inputted text and output the associated emotions onto the frontend of the application

EDUCATION

Baruch College, City University of New York

Dec 2023 | New York, NY

B.B.A Computer Information Systems | Deans Scholar | GPA: 3.9/4.0

- **Clubs & Organizations:** CodePath, Baruch Technology Leadership Development Program, America Needs You, CUNY Tech Prep, Break Through Tech AI, EverUp Micro-Credential, Kappa Sigma Fraternity