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SUMMARY

I have a large amount of experience working with data science - working remotely as a data engineer and deploying ML models in projects, mobile applications, and web applications. I possess excellent communication skills, a hard-working mentality, and an aptitude for picking up new skills and practices. My professional experience has given me plentiful technical knowledge as well as insight into what it means to get things done, work with others, and learn new practices.

WORK EXPERIENCE

Solve Advisors Inc. (March 2022-Present)

Developer/Analyst, Junior Data Engineer

- Automated manual bond and loan data pricing with Selenium and Google's OAuth2 API in custom AWS EC2 instances
- Collaborated with AI/ML team to develop a US Securities and Exchange Commission (SEC) BDC parser with Python web scraping APIs, saving the company an estimated 848 hours annually

Advantage Data Inc. (September 2021-March 2022)

Junior Data Engineer

- Developed Python scripts to scrape, parse, transform, and load government collected financial data into the company's Google BigQuery database (ETL process), replacing hundreds of hours of manual work
- Collaborated with team to deploy data pipelines directing source data into our system with Python and SQL

SKILLS

Software

- Languages: Fluent: Python, Java, HTML5, CSS, SQL. Proficient: C++, JavaScript
- Libraries/Frameworks: TensorFlow, Requests, NumPy, Matplotlib, Pandas / React, Flask, Django, React Native
- Tools: AWS, Git, Docker, Hadoop, Spark, Microsoft/Google suites

Characteristics

- Effective communicator, problem solver, leader, flexible, quick to learn

PROJECTS

SaaS File Sharing Platform (https://filess.org)

Used: Python, Flask, AWS S3 Storage, Google OAuth, Stripe API, MySQL, SQLAlchemy, HTML5/CSS/JavaScript

- Stored user account information in Heroku hosted MySQL database using the SQLAlchemy Object Relational Mapper
- Hosted user files in AWS S3 cloud storage for quick upload, download, and viewing
- Has grown to 250+ active users totally over 200 GB of stored files

Stock Market Analysis Website (Anchor-AI)

Used: Python, TensorFlow, Django, MySQL, AWS S3 Storage, AWS EC2 Computing, HTML/CSS/JavaScript

- Manipulated price data from stock symbols with NumPy and Pandas to develop multiple regression models using Google's TensorFlow library
- Utilized AWS S3 Storage to store trained weights and Matplotlib analysis graphs, and utilized AWS Elastic Cloud Compute Instances to train models in the cloud with Linux Cron jobs

COURSES

- Principals of Big Data Processing (CSCI E-88, graduate) – Harvard Extension School – 100.00%.00 - 4 credits
- Statistics 111 – University of Massachusetts Amherst – 98.80% - 4 credits
- Computer Science 121 – University of Massachusetts Amherst – 100.00% - 4 credits
- Calculus I – University of Pittsburgh – 99.00% - 3 credits