Filip Stojanovic

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Experience:

Data Scientist, Opta Information Intelligence
October 2019 - Present

Machine Learning Model Development: Developed predictive models from start to end by: acquiring and cleaning data, engineering features, training and tuning models, validating predictions, and testing results.

Deploy Models into Production: Took working models and deployed them into a production ready environment as serverless APIs to make real time predictions.

ETL Pipeline Maintenance: Created automated pipelines that perform scheduled jobs to ingest data from multiple sources. Data is sent through validation and cleaning steps and uploaded into standardized database tables.

Presenting Findings: Performed analysis using statistical techniques to create reports for clients, team members and supervisors. Demonstrated key metrics indicating performance and showcased graphs and visualisations to effectively communicate findings.

Achievements:

• Used XGBoost to develop Fire Risk and Smoke Alarm Models. They have grown to be utilized by many Municipal Fire Departments across Canada to inform their property inspection initiatives. The models are used in field inspections and generate a significant source of recurring income with most contracts renewed this year.

• Deployed Lot Size and Comparable Properties Models into production using AWS Sagemaker, Lambda and Docker. The models are accessible through APIs with serverless endpoints.

• Utilised Step Functions, Cloudwatch Events and Sagemaker Processing Jobs to build Pipelines for automated monthly ingestion of geographic property and demographic data from multiple sources into the datalake.

• Used APIs and Elastic Search to create a Pipeline for transferring an external database of automobile insurance data with tens of millions of records.

• Created presentations for the Fire Incident Model with graphs and visualisations generated with Matplotlib and Seaborn and was responsible for presenting them to clients in meetings.

Personal Projects:

Free Stock Market: http://freestockmarket.me

• Source Code: https://github.com/FilipStojanovicski/free_stock_market

• The Free Stock Market is a virtual stock trading brokerage that simulates the real stock market. Users can register to buy and sell real stocks with virtual currency. Stock prices are updated hourly from the stock exchange with accurate prices. Users can compete on the leaderboard to see who has the largest net worth.

• Technical Stack: Flask, PostGreSQL, HTML, CSS, Docker, Nginx, Gunicorn, cron, Alpaca API

Education:

University of Toronto - Bachelors of Science in Mathematics and Physics

Technical Proficiencies:

Languages: Python, HTML, CSS, Regex

Databases: SQL, PostGres, PG Admin, Elastic Search, ArcGIS

Technologies: AWS: Lambda, S3, EC2, Sagemaker, CloudWatch, Jupyter, Docker, Linux, Bitbucket, Git

Libraries: Pytorch, Selenium, NLTK, Boto3, XGBoost, Word2Vec, Flask, Django