

DANIEL JAEGER

DATA ENGINEER

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573.301.4828

Resourceful and dedicated developer with excellent analytical skills and proven success in building impactful algorithms, predictive models, and visualizations.

SKILLS

PYTHON

Poetry / pandas / NumPy
boto3 / PyAthena / XGBoost
scikit-learn / SHAP / NLTK
FastAPI / pydantic / Starlette

AWS

Certified Cloud Practitioner
Lambda / S3 / Athena / Glue
SageMaker / CloudFormation
CDK / Redshift / QuickSight
Secrets Manager / CloudWatch
SQS / MemoryDB
Step Functions

MODELING

Regression / ANOVA / SVM
Clustering / NLP / NLTK
ARMA / ARIMA / SARIMA
Sentiment Analysis / Time Series

MISC

Datadog / Docker / Kubernetes
Helm / GitHub / CodeCommit
GitLab / PostgreSQL / PostGIS
Snowflake / Predictive Analysis

EquipmentShare - Software Engineer III

JUNE 2021 - PRESENT

- Implemented various vehicle tracking systems including speed metrics, geo-fence alerting, and driving history compliant with federal trucking regulations
- Enabled the business to scale its primary **PostGRES** database through reducing overall load, increasing message processing, optimizing queries, indexing, additional caching, and simplifying costly logic
- Created **Python** libraries which deduplicated code, streamlined service-to-service communication, and enforced cross-service **data contracts**
- Optimized high-traffic temporospatial queries within **PostgreSQL** and **PostGIS** through spatial indices and pattern matching algorithms
- Developed a **server-sent events API** to enable real-time front-end features using **Python**, **FastAPI**, **Starlette**, **AWS Lambda**, and **AWS Step Functions**
- Co-created the team's **REST API** to move internal customers away from direct database access using **FastAPI** and **pydantic**

Shelter Insurance - Software Engineer II

OCTOBER 2018 - MAY 2021

- Designed and implemented a **Snowflake** environment which provided a one-stop shop for policy, coverage, and agent data using **Python**, **S3**, **Lambda**, and **RabbitMQ**
- Predicted customer behaviors with classification and survival analysis using various **XGBoost models**, **AWS SageMaker**, **Lambda**, **Athena**, and **SHAP**
- Developed internal and external APIs for Say Insurance's data using **Python**, **S3**, **Lambda**, **Glue**, **Athena**, **Redshift**, **Docker**, and **AWS QuickSight**
- Enhanced Say Insurance's data warehouse with sources such as **Google Analytics**, **BigQuery**, Salesforce, and numerous insurance-related consumer reports using **Python**, **S3**, **AWS Lambda**, **Athena**, and **Docker**
- Supported Marketing, UX, and other teams through data analysis of website campaigns, **A/B testing**, and customer demographics with **SQL**, **Python**, and **pandas**

Food and Agricultural Policy Research Institute at the University of Missouri - Research Assistant

APRIL 2018 - MAY 2020

- Developed strategies to identify optimal selling points based on FAPRI's annual U.S. Baseline Outlook and historical data from the agricultural futures market using **R**, **ggplot2**, and **RShiny**

University of Missouri - Bachelor of Science, Computer Science, Minor in Statistics, Summa Cum Laude, Honors

AUGUST 2016 - MAY 2020