

Adrienne Franke

[Email](#) | Nashville, TN | [LinkedIn](#) | [GitHub](#)

Skills

Python, SQL, Django, React, Typescript, AWS, Ruby on Rails, APIs, CSS, HTML, Tailwind, Git, Linux, Data Analytics, Machine Learning, Agile, Kanban

Experience

Software Engineer

Stratasan

Oct 2022 - Present

- Develop interactive front end features using React, Typescript, and Nivo
- Maintain the Django and Python back end by adding new models, SQLAlchemy queries, and unit tests
- Participate in pair programming or mob programming to work with team to add new features and functionality to app
- Review other teammates pull requests and provide suggestions for improvements, if necessary
- Participate in Agile backlog refinement, sprint planning, and regular sprint retros
- Collaborate with product team to continually improve UI/UX

Engineering Manager

Jul 2021 - Oct 2022

Healthcare Bluebook

- Led architecture and development for network filtering product that has led to millions of dollars of revenue per year
- Built main internal Django Admin app for the Data Science & Analytics department to update data efficiently and easily in over 100 SQL tables
- Decreased analyst hours devoted to manually cleaning data by over 90% via a newly built Django Admin app
- Rearchitected the Data Science & Analytics database from an OLAP database into an OLTP database to pave the way for the Django Admin app
- Created ETL SQL scripts so analysts can update the OLTP database in large batches
- Met with team in regular 1:1s to discuss project specifics, feedback, roadblocks, career growth, and make sure everything is running smoothly

Tech Lead

Jan 2021 - Jun 2021

Healthcare Bluebook

- Created a Python based machine learning model that deduplicated data in core facility dataset which resulted in a 16% reduction in duplicate records
- Developed an algorithm in Python that updates provider demographic data based on dozens of data sources that ensures accurate data and reduces analyst time spent manually cleaning data
- Built an open source Python package, [nppes](#), to easily access data from CMS's NPPES API
- Built an internal Python package that cleans and organizes dirty provider demographic data from external sources
- Continued to mentor team and ensured project plans created by juniors were well scoped and achievable

Senior Data Analyst

Apr 2019 - Dec 2020

Healthcare Bluebook

- Created a predictive model using geometric distribution and binomial distribution in Python to determine if a provider is in a certain insurance network based on commercial claims data
- Created PowerBI dashboards to QA projects and identify areas for improvement in models
- Onboarded, trained, and supported teammates with projects and provided guidance when needed

Education

Belmont University

May 2017

BBA in Economics, Minor in Mathematics

Cum Laude, Dean's List, 3.7 GPA

Speaking/Organizing

- DjangoCon US 2023 Conference Co-Chair
- DjangoCon US 2022 Talk: "The Django Admin Is Your Oyster: Extending Its Functionality"