Seattle, WA

DANA LOCKWOOD

DATA ENGINEER

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SKILLS

Data Analysis & Engineering: SQL, PostgreSQL, Apache Spark, Pandas, Databricks, ETL, JSON, Airflow, AWS Cloud, Docker
Software & Web Development: Python, Django, Flask, ASP.NET, HTML, CSS, JavaScript, Bootstrap
Other: Unit Testing, WSL, Git, GitHub, Windows, Linux, Documentation, Conversational Japanese, Remote Collaboration

WORK EXPERIENCE

Data Engineer   **National Fair Housing Alliance**   **October 2021 – April 2025**

- Migrated all organization data from Azure to relevant AWS services, such as S3 and RDS.
- Built large-scale PostgreSQL databases for zoning law, eviction data, and demographic data.
- Worked with internal and external stakeholders to overhaul organization cybersecurity practices and documentation to be in conformance with NIST's CSF 2.0 framework.
- Used Python technologies, such as Pandas and PySpark to analyze and migrate large data sets.
- Leveraged Databricks and PostgreSQL to compile and analyze data to assess the impact of restrictive zoning laws.
- Regularly updated PostgreSQL databases on US nationwide mortgage data.
- Managed schema and table level permissions in PostgreSQL to ensure that external collaborators could only access relevant data.
- Consulted for a law firm to organize eviction data into a database for analysis using Airflow and PostgreSQL.
- Regularly updated PostgreSQL databases for nationwide loan-level mortgage data.
- Used Confluence to regularly update documentation across a variety of projects.

Back-end Developer   **Democracy Lab**   **April 2020 – October 2021**

- Overhauled secrets management, and improved application security for the website's Django REST API
- Added volume support to Docker containers to persist data
- Improved existing features of the REST API

Software Development Intern   **Tech for Good, Inc**   **May 2020 – Aug 2020**

- Implementing a back-end for webinar software with Django REST Framework and PostgreSQL
- Documenting processes for the REST API
- Took over as team lead towards the end of the internship

Product Catalog Analyst   **Leafly Holdings, Inc.**   **Aug 2019 – Oct 2019**

- Acted as subject matter expert to identify and label products for dispensary menus
- Performed research and analysis to validate and assert relationships between unlinked data
- Established new data entities conforming to the data models required by business logic

Software Developer (Volunteer)   **Seattle Against Slavery**   **Dec 2018 – Jun 2019**
- Orchestrated update to the NPM packages used by Angular client application
- Added to and expanded on the EF Core data entity models used across platform services

PROJECTS

COVID-19 Tracker   Independent Project   Apr 2020-Present
- Intuitive interface providing country level statistics related to the global COVID-19 outbreak, including CLI tool
- Web app built using Python, Flask, and Pandas, hosted using Heroku

Dev Roast   Open Source Project   July 2020-Present

- A RESTful web service for a message board, where developers can solicit feedback on their websites
- Worked on Docker configurations for the project, as well as development of REST API, using Django REST Framework and PostgreSQL.

EDUCATION

Database Development & Administration   Seattle Central College   2018

- Certificate Program

B.A: International Studies   Evergreen College   2011

Japanese Immersive (5 Weeks)   Kudan Institute of Language & Culture   2010