Willow Moyer

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Experience

Software Engineer May 2019 – Present *Lofty Labs Remote - Fayetteville, AR*

Created custom software from the ground up using Django, Vue and other frameworks to visualize data, automate tasks, and fulfill other client needs. Implemented complex features such as multi-factor authentication and feature flags as reusable Django and Vue modules for use on multiple projects. Also built a reusable starter project for my company to quickly get going on new projects.

Projects

Zweig Insights | *Python, Django,Vue, Postgres* | Aug. 2023 – Sept. 2023

Developed a django application to visualize data relating to employee satisfaction, salary and other metrics that would help determine what companies can do to improve employee satisfaction and how to bring in more talent.

Oilman | *Python, Django, React,GraphQL, MySQL* | Oct. 2022 – Aug. 2023

Developed a full-stack web application using Django as the backend and React on the frontend using graphql and react query to fetch data. This is a data visualization app that would allow the client to keep track of oil production and automate some processes involving submissions of new data.

Fenceline | *Python, Flask, Lit Components, Mapbox, PostGis* | Aug. 2020 – July 2022

I was the tech lead on this project. This application used ai generated field boundaries provided by a service called digifarm to be able to display these boundaries on a mapbox map. For the flask backend portion of this app my team and I created services to provide raster data to the maps for more insight on field metrics.

Cropgen | *Python, Django, Vue, Postgres* | July 2021 – July 2022

Developed a django application that automated the process of collecting and sorting farm information in an excel spreadsheet. Created a process in which new farm information could be added and field rotations could me automatically generated.

AcreMaps Mobile | *Javascript, React Native, Mapbox* | Jan. 2021 – July 2021

Developed a mobile app for an already existing web app. Provided soil data, vegetation data, basic property information about farmland all over the United States within a map view.

Education

University of Arkansas Little Rock, AR *B.A. Web Design and Development Aug. 2015 – Apr. 2019*

Technical Skills

Languages: Python, PHP, Ruby, SQL (Postgres, PostGIS, MySQL), JavaScript, TypeScript, HTML/CSS, GraphQL

Frameworks: Django, Django Rest Framework, Flask, Laravel, Node.js, Vue, React Native, jQuery

Developer Tools: Git, Docker, Kubernetes, CircleCI, Amazon Web Services, Vite, Webpack, PyCharm, Visual Studio Code

Libraries: Mapbox GL JS, HeadlessUI, Tailwind, Bootstrap, DaisyUI