

JOSHUA YODER

me@jpfyoder.com

linkedin.com/in/joshua-yoder

github.com/jpfyoder

EDUCATION

Rochester Institute of Technology

B.S. in Computer Science · Minor in Finance

3.8 GPA · *Class of 2023*

WORK EXPERIENCE

Meetingmap · AgBlox Inc.

Full Stack Software Engineer, System Architect, Contract

June 2022 - Present

Remote

- Designed and implemented infrastructure for the Meetingmap application on AWS, utilizing Terraform IaC and EKS (Kubernetes). Wrote and maintained CI/CD pipelines for releasing new software.
- Designed, implemented, and optimized the Postgres database schema for the app. Used various tools to automatically generate secure APIs based on the database schema.
- Worked on various frontend UI/UX improvements using Remix / React frameworks.
- Assisted in the development of Python Celery based ML processing pipelines for video, audio, and text documents.

DiviAI · AgBlox Inc.

Software Engineer, Contract

May 2020 - June 2022

Remote

- Wrote data scraping jobs and ETL for various agricultural commodities datasets.
- Designed and built graph database to store and query interrelated financial datasets, worked on text entity recognition and record matching across databases.
- Utilized domain specific knowledge in finance to consult on the purchasing of external financial datasets.

PROJECTS

Synopse · Miramis Technologies LLC

January 2023 - Present

- Working with two other partners to implement an AI (language model) based study tool tailored to medical students. Students input their unstructured notes and the software can generate custom flash cards and practice tests.
- Utilizing NextJS, Supabase, and OpenAI to build the app.

GroundSource Insights

October 2022 - Present

- Creating a GIS based weather and natural resource (water, soil, sun, et cetera) risk analytics platform for insurance companies, farmers, and investors.
- Working with a partner to implement various statistical models for tracking ground and surface water levels based on various research papers.
- Utilizing React and NextJS, PostGIS, TimescaleDB, and visualization tools including deck.gl and chart.js.
- Implemented scrapers for related public databases (USGS, NOAA) to retrieve data for our experiments.

TECHNICAL SKILLS

Languages

Python, TypeScript, JavaScript, Go, C, SQL, Terraform, HTML, CSS

Databases

PostgreSQL, MongoDB, Redis, MySQL, SQLite, Supabase, TimescaleDB, Elasticsearch, AWS Neptune, DynamoDB

Frameworks & Libraries

React, Tailwind, NextJS, FastAPI, Flask, Celery, Prisma, Selenium, Daisy UI

Tools

Docker, Kubernetes, Nomad, Consul, Vagrant, Amazon AWS, Google Cloud, Azure, Vercel, DigitalOcean, Git, GitHub, GitHub Actions, VSCode, DataGrip, Markdown, \LaTeX , Linux, BSD, MacOS, Windows