Alex Swiggum (they/them)

Software Engineer

New Orleans, LA

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Technical Skills

Software Languages:
- Python
- JavaScript
- TypeScript
- CSS
- HTML

Frameworks:
- Flask
- Node.js/Express
- React
- Redux

Design and Infra:
- AWS
- Apache
- Bootstrap
- Material-UI
- OOP Design Patterns
- RESTful API

Database:
- PostgreSQL
- ElephantSQL
- MongoDB
- Redis

Tools/DevOps:
- GitHub
- Glitch
- Heroku
- Firebase
- Insomnia

Additional Skills

- Agile Scrum
- Project Management

Languages:
- Spanish

Projects

Mvie Streaming / Software Engineer

- Designed & engineered a full stack multi-page web application with React/Redux front-end & Flask back-end that allows users to browse shows/movies utilizing an integrated 3rd party API.
- Create RESTful API in Flask with multiple API endpoints with full CRUD operations allowing users to store movies/shows to their watchlist, add ratings/reviews, and create/add to shared watchlists. .
- Stress test API & ElephantSQL database using Apache to handle 25+ TPS.
- Implemented caching to reduce number of database calls to improve API response time by 15% and reduce server load.

Experience

Coding Temple / Software Engineering Instructor

June 2022 - Present, Remote

- Mentor 20+ students and provide technical support in programming, debugging, algorithms, fundamentals, and web development.
- Collaborated in crafting, designing and teaching lectures for fullstack curriculum

Coding Temple / Software Engineer

March 2022 - June 2022, Remote

- Engineered efficient backend web servers utilizing Python/Flask, including creating & consuming RESTful APIs integrated with SQL databases
- Developed responsive web applications using React, leveraging its component-based architecture to create modular and scalable user interfaces that enhanced overall user experience.
- Demonstrated advanced knowledge and implementation of OOP
- Managed collaboration and development of code throughout various team projects utilizing Github

EskewDumezRipple+ / Senior Interior Designer

October 2019 - March 2022, New Orleans, LA

- Managed client communication, team coordination, design development, project documentation & construction administration for large national projects utilizing Scrum and LEAN project methodologies.
- Implemented, managed adoption of a time-saving Specifications Software office-wide, which facilitated the development of cloud-based libraries.

Mathes Brierre Architects / Interior Designer

December 2015 - October 2019, New Orleans, LA

- Collaborated directly with project Architects & clients on various projects

Education

University of Wisconsin-Stout / BA Fine Arts - Interior Design, Bus. Man. Minor