ZAC WATTS

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SKILLS

Python, JavaScript, PHP, React, Express, HTML, CSS, SQL, Node, Flask, Git, Postgres, MongoDB, SQLAlchemy

RELEVANT EXPERIENCE

Software Engineer

Deseret Digital Media   Aug 2021 - Present

- Build and maintain dynamic features using technologies like React, Silex, MongoDB and MySQL on the nation's biggest local news website, KSL.com
- Teach prospective engineers fundamental JavaScript and PHP concepts and best practices
- Coordinate large, multi-week sprints with team of engineers using Agile workflow

Instructional Assistant

App Academy   Feb 2021 - Aug 2021

- Taught best practices of JavaScript, Python and frameworks such as Flask and React to 50+ students.
- Led several teams of developing software engineers through the entire development lifecycle from backend to frontend, including planning and documentation phases.
- Contributed to and revised company learning materials on GitHub using Agile workflow with a team of other developers.

PROJECTS

World Foundry (Flask, ReactJS)   live | github

World Foundry leverages Flask, SQLAlchemy, ReactJS and PostgreSQL to help genre novelists organize worldbuilding materials such as lore, characters, genealogies and settings.

- Implemented a Material-UI Tree View React Component to organize user directories in a visually pleasing way.
- Created a dynamic HTML text editor utilizing the Tiny MCE API to give freedom over style, color, and other design aspects for documents.
- Designed a self-referencing hierarchical database table for simplified arrangement of user directories.

first_draft (Flask, ReactJS)   live | github

With first_draft, a Medium clone, logged-in users can create and read articles.

- Developed a visually pleasing aesthetic using a mix of exterior stylesheets, animations, and vanilla CSS.
- Utilized encryption technology to protect user passwords and restrict access to various pages for unauthorized guests.
- Incorporated React components and JSX to dynamically display the six most recent stories from the database to a logged-in user's homepage.

deadreads (ExpressJS)   live | github

Deadreads, a horror-themed Goodreads clone, uses Express to allow users to browse a curated selection of horror books and add them to their desired shelves.

- Leveraged Express routing logic to programmatically add books to specific bookshelves with a dropdown select element.
- Built a pop-in text editor for users to write and post reviews for specific books. Reviews were displayed on a dedicated page as well as individual book pages.

EDUCATION

Software Engineering - *App Academy* | *January 2021*

- Rigorous 1000-hour software development course with <3% acceptance rate.
- Teaches full-stack web development: Python, SQL, Javascript, React, TDD, algorithms, design patterns, and programming best practices.

Weber State University - BA Communication with emphasis in Public Relations and Advertising | *August 2019*