Co Ha
FULL-STACK SOFTWARE ENGINEER

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TECHNICAL SKILLS

Languages – JavaScript (ES6), Python, SQL, HTML, CSS, jQuery, TypeScript
Frameworks/Tools – Node, Express, React, Flask, Jinja, Bootstrap, PostgreSQL, SQLAlchemy, Jest, Jasmine, Git, GitHub

SOFTWARE ENGINEERING EXPERIENCE

RITHM SIS | Full Stack Software Engineer Intern | Sept 2023 – Oct 2023
- Built and debugging the Student Information system, a live-production codebase with over 80,000 lines of code.
- Built content tagging system using Python/Django to organize and implement searching feature for tagged content.
- Built unit/integration tests with factories to keep test coverage at a high percentage of 95%.
- Built a blogging app within Django framework which allows staff to create and post blogs.

PROJECTS

Warbler | Flask, PostgreSQL, SQLalchemy | GitHub | Demo
- Replicated social media app with user authentication and authorization functionalities implemented through secure session management and B-crypt password hashing in the Flask backend.
- Utilized SQLAlchemy ORM to leverage OOP methods enabling users to post/like messages, follow users, and view a feed of their followers' messages.

Pixly | Flask, React, PostgreSQL, AWS | GitHub | Demo
- Designed using React.js and is a photo gallery app that allows users to upload photos
- Designed the Flask framework to store metadata of photos
- Utilized AWS to store photos
- Implemented authorization to test of files being uploaded is valid form data.

Jobly | Express.js, React, PostgreSQL | GitHub | Demo
- Designed single-page job application site with authentication and authorization features implemented via JWT in the Express backend and protected routes in the React frontend.
- Implemented a user interface that enables users to submit applications and receive real-time feedback via Toast notifications.
- Achieved over 95% test coverage utilizing test-driven development methodologies with unit and integration tests.

ADDITIONAL WORK EXPERIENCE

Luxx Nail Salon   2020 – 2023
Store Manager
- Undertook financial-planning tasks, including managing budget and handling spreadsheets of payroll.
- Took responsibility of overall satisfaction of both clients and co-workers, including resolving conflict.
- Learned In-dept knowledge of financial planning and office management.

University of Texas Arlington   2019 – 2021
Biochemistry Research Assistant
- Investigated reaction intermediates by kinetic isotope effects.
- Studied F420 Cofactor enzymes and processed data using spectrophotometry and other equipment.
- Implemented Enzyme kinetics and mechanisms by rapid-mixing pre-steady state and steady state methods.

EDUCATION

Rithm School – Full-Stack Engineering Program   *2023*

University of North Texas Health Science Center – Fort Worth, TX – M.S. in Biomedical Sciences   2022
- *GPA 4.0, summa cum laude*

University of Texas Arlington, Arlington, TX – B.S. in Biology   2021