Jacob Rashid

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TECHNICAL SKILLS

Languages - Javascript, Python, SQL, PostgreSQL, HTML, CSS
Libraries - React, React Testing Library
Frameworks / Tools - Node, Express, Jest, Unittest, Django, Flask, SQLAlchemy, VSCode, Git, Github

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern   April 2024 – August 2024
Rithm School - Student Information System (Learning Management Software)   Remote
- Navigated, analyzed, and presented various functionalities within the SIS web application, a Learning Management System built using Python and the Django Framework.
- Analyzed the codebase for the SIS web application, a LMS built using Python and Django, resulting in a technical understanding for navigating a live, production codebase.
- Assessed issue difficulty and timeframe using story points and planning poker in a group environment
- Designed, implemented, and tested using Python, Django, and Unittest:
  - A customizable logo and message for the SIS login screen
  - A global, customizable banner notification system, allowing site admins to display banner-style messages.
  - A blog posting feature, editable by admins and viewable by students
- Maintained a consistent 100% testing coverage in the working codebase, including unit, integration, regression, and system testing. All added features followed existing conventions and styles within the Rithm SIS codebase.

TECHNICAL PROJECTS

Pix.ly - Image Uploading and Editing Application   [Github](#)
- Created an Image uploading and editing application using Amazon S3 file storing services with an Express.js back-end and a vanilla Javascript front-end.
- Utilized HTML Document Object Model element manipulation and HTML canvas' two-dimensional context class to display images and apply various filters such as black/white, sepia and blur, as well as drawing custom lines and shapes using the mouse cursor.
- Researched and implemented Amazon S3 for efficient image file storage and retrieval, allowing users to seamlessly upload images from their device for use in the Pix.ly application.

Warbler - Social Media Application   [Live Demo](#) | [Github](#)
- Utilized Python, Flask, and Jinja templates to create an HTML-serving backend social media application.
- Created database table and relationship models using SQLAlchemy to implement user posts, likes, and follows.
- Wrote several custom Jinja templates to implement the post, like and follow functionality.
- Implemented a login/signup system using Flask WTForms to implement CSRF security and validate all form input, including checking for potential duplicate usernames when a new user is created.
- Used unittest to thoroughly test all database models and Flask views, including unit and integration tests

Job.ly - Job Board Application   [Github](#)
- Used React.js to create a front-end application, using an Express.js API backend.
- Designed and implemented a React.js component hierarchy with consideration for component purpose and reusability as well as state and properties passed between components.
- Wrote detailed documentation for each component, specifying props, states, effects and component flow.

ADDITIONAL WORK EXPERIENCE

PC Technician   October 2024 – Present
New Dream Inc.   Portland, OR
- Perform hardware and software upgrades on laptop and desktop PCs, including SSDs, HDDs, RAM, CPUs and GPUs in an efficient manner.
- Troubleshoot and diagnose issues that arise during the upgrade process, including determining faulty hardware components and corrupted driver software.
- Assist co-workers with upgrades and technical issues as needed.

Line Cook   July 2023 – April 2024
New Seasons Market   Portland, OR
- Assisted other short-handed departments as needed, such as the deli counter or meat department. Demonstrated flexibility based on current store needs.
- Addressed customer concerns, complaints or other feedback, escalating to leadership as needed. Maintained a high level of customer satisfaction.

Supervisor   October 2022 – March 2024
Hotlips Pizza   Portland, OR
- Ensured overall smooth operation on a nightly basis as the designated leader by addressing customer issues, adjusting order promise times as needed, and ensuring all employees carried out their job duties as laid out in their job descriptions.

EDUCATION

Rithm School - Remote   2024
Full Stack Web Development Bootcamp
Santa Clara University - Santa Clara, CA   2017 - 2020
Coursework completed: Intro to Computer Science, Data Structures and Algorithms, Operating Systems, Discrete Math