Jaewon Jin

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TECHNICAL SKILLS

Languages - Javascript, Python, SQL, HTML, CSS
Libraries - React, React Testing Library, JSON Schema, bcrypt, multer-s3, WTForms
Frameworks / Tools - Node, Express, Jest, Django, Flask, NextJS, SQLAlchemy, unittest, VSCode, Git, Github

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern   Dec. 2023
Rithm School   *San Francisco, CA*
- Designed and developed a blog feature in Django and PostgreSQL to allow staff to post to subsets of students in the student information system, which is licensed to external customers.
- Built a new admin UI for performing CRUD operations on blog data model that match the workflow of existing admin views for seamless integration to existing codebase.
- Implemented a high priority feature for staff to generate quarterly CSV reports for the BPPE using Django admin actions and intermediary pages.
- Maintained coding best practices through detailed documentation and 100% test coverage for all new features.

TECHNICAL PROJECTS

Job Posting App
- Built a RESTful backend in Express with JWT-based authentication and authorization to create protected routes that limit functionality based on user type and login status.
- Performed request body validation with JSON Schema on incoming requests using JSON Schema to maintain database quality
- Integrated live search bar and pagination for job listings to reduce load on the database and improve load times by splitting large datasets into smaller chunks.
- Utilized a React frontend to create maintainable, scalable, and reusable UI components

Message Sharing Social Media App
- Built a Twitter-like multi-page application using Flask for ease of development and minimized complexity
- Improved security via session management and bcrypt password hashing to allow for personalized and secure account management.
- Designed and implemented database models for storing users, follows, likes, and messages in a PostgreSQL database, and accessed through SQLAlchemy ORM to perform CRUD operations in an OOP manner.
- Utilized WTForms to render forms and protect against CSRF attack using the built-in protection and form validation

Outdoor Space Booking App
- Designed and built an outdoor space booking web application for outdoor space booking using React and Express to reduce potential bugs and create a more responsive UI
- Streamlined database queries and increased efficiency of development by using Sequelize
- Persisted user uploaded image files in Amazon S3 bucket for hands-free versioning, and serve images without the need to transfer data from the backend.

EDUCATION

Rithm School   2023
Full Stack Web Development Bootcamp
Purdue University   2021
B.S. Cybersecurity   West Lafayette, IN