Nathan Rydel

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https://github.com/nathanrydel

TECHNICAL SKILLS

Languages - Javascript, TypeScript, Python, SQL, PostgreSQL, HTML, CSS
Libraries - React, React Testing Library, Bootstrap, TailwindCSS
Frameworks / Tools - Node, Express, Jest, Flask, SQLAlchemy, Vite, Vitest, VSCode, Git, GitHub

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern   February 2024 – February 2024
Rithm School   *San Francisco, CA*
- Collaborated with a team to modernize Numbers API over three sprints, focusing on transforming it into a Flask back-end server and integration with a PostgreSQL database.
- Contributed to the development of the front-end utilizing HTML, TypeScript, and SASS to include an interactive element that allows users to interact with the API directly in the front-end via the DOM.
- Partnered with other intern software engineers during each sprint in a pair programming setup to implement new features and enhancements and to overhaul the existing API.
- Ensured all pull requests maintained the project's goal of 97% test coverage by writing end-to-end automated unit tests and integration tests within the Jest and Selenium testing frameworks
- Demonstrated proficiency in agile methodology and professional software practices, including effective use of branching, issue tracking systems, and participation in code reviews of my team's pull requests.

TECHNICAL PROJECTS

Jobly V2   Live Demo | GitHub
- Built a full-stack job search application using React for the front-end and Node.js/Express for the back-end API.
- Implemented user authentication and authorization features, including sign-up, login, and protected routes using JSON Web Tokens.
- Styled the user interface with Bootstrap and custom CSS, ensuring responsive design across various devices.
- Developed RESTful APIs using Express.js and PostgreSQL as the database with the pg library.
- Wrote comprehensive unit tests using React Testing Library for the front-end and Jest/Supertest for the back-end.

Friender   Live Demo | GitHub
- Developed a full-stack web application inspired by Tinder for making social friends as an adult, utilizing Python Flask for the back-end.
- Enabled profile image uploads to AWS S3 using Boto3 and configured secure S3 integration.
- Integrated location-based matching by calculating distances between users with GeoPy.
- Implemented form handling and validation with Flask-WTF to ensure data integrity.
- Optimized database queries with SQLAlchemy to improve performance for friend matching.

Warbler   Live Demo | GitHub
- Evaluated security vulnerabilities of existing code base and implemented authentication and authorization mechanisms using the flask-bcrypt library to verify user identity and access within a PostgreSQL database.
- Optimized critical SQL queries responsible for fetching and displaying a user's "following" feed and main feed by improving query speed by 15% through database indexing and refactoring.
- Collaborated with team members to discuss and make informed decisions on architectural design and technology selection, resulting in a well-structured and cohesive application architecture.

ADDITIONAL WORK EXPERIENCE

Technical Support Engineer   September 2022 – January 2023
Mend.io   Boston, MA
- Provided expert technical support for external Software Engineering or DevOps teams and attained customer satisfaction over 90%.
- Triaged core product integrations within customer's Docker environments, CI/CD tools (Jenkins), Cloud environments (Azure, AWS), and versioning platforms (GitHub, GitLab).
- Collaborated with cross-functional Engineering and Product teams to address and resolve customer Jira tickets.
- Exceeded Q4 2022 KPI goals by showcasing an in-depth understanding of the product's functionalities and consistently delivering accurate and comprehensive responses to technical product inquiries.

Developer Operations Platform Senior Associate   Jan 2022 – June 2022
Accenture   Austin, TX
- Provided subject matter expertise across multiple team workflows and served as an escalation point for complex edge cases.
- Conducted one-on-one coaching sessions with associates, identifying opportunities for professional growth and skill development.
- Mentored team members, tracking their progress to achieve 95% accuracy and 90% consistency metrics while driving increased team efficiency.

Developer Operations Platform Associate   Aug 2020 – Dec 2021
Accenture   Austin, TX
- Exceeded 95%+ accuracy and 90%+ consistency performance targets in 4 out of 5 quarterly review cycles.
- Performed comprehensive app analysis and review across multiple Developer Operations Policy team workflows.
- Completed third-party app integration and compliance reviews within the client's case review system.

EDUCATION

Rithm School   2024
Full Stack Web Development Bootcamp
University of Arizona
B.A. Political Science: Law and Public Policy   Tucson, Arizona