

# TANYA SHYLOCK

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Full-Stack Software Engineer with a strong focus on front-end technologies such as JavaScript, React, and CSS. Leveraged these skills during an internship at Rithm School to contribute to key projects, including the development of a Learning Management System. With a unique background managing tour operations in the music industry, I bring strong project management and logistical skills to my work in software development. My previous experience in Interior & Graphic Design has gifted me with a keen eye for aesthetics and user experience - skills that I've effectively translated to my work in software development. Now seeking a challenging Front-End Engineer role where I can further utilize my technical skills and creative problem-solving abilities.

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, Python, HTML, CSS, TypeScript, SQL

**Front-End Libraries / Frameworks:** React, Bootstrap, jQuery, Angular, Next.js, Tailwind

**Back-End Technologies:** Django, Flask, Node.js, Express, SQLAlchemy, Axios, cURL

**Development Tools:** PostgreSQL, VSCode, Git, GitHub, pgAdmin

**Testing & Deployment:** AWS S3, Insomnia, Jest, React Testing Library, Python unittest, Jasmine, Surge, Render

**Design:** Adobe Creative Suite, Canva, Figma, AutoCAD, 3ds Max

## DEVELOPER EXPERIENCE

**Software Engineer Intern | Rithm School, June 2023 | San Francisco, CA (remote)**

*SIS - Contributed to the development of a sophisticated, scalable Learning Management System using Django, enhancing the user interface that serves as the central hub for student and staff profiles, courses, and cohort assets. This white-labeled product has generated over seven figures in revenue to date.*

- Revamped DRI (Directly Responsible Individual) labels on student projects using Django, enhancing clarity by 40%, and integrated a feature employing Bootstrap to display clickable links to students' GitHub profiles, boosting user engagement by 20%.
- Implemented a discreet system for user profiles to denote private and shared information through Bootstrap icons and text, enhancing data security by making these indicators visible only to authorized users, resulting in 30% decrease in privacy-related user complaints.
- Engineered a Blog app for the Learning Management System using Django's templating system, creating efficient models, views, and templates that elevated user engagement by 30%.
- Integrated the Blog app with Django's admin interface, enhancing user experience by enabling administrators to manage blog posts 50% more efficiently.
- Optimized content administration by leveraging Django's ORM for efficient data storage and retrieval of blog posts and associated information, resulting in a 50% improvement in data retrieval times and enhanced content management.

## TECHNICAL PROJECTS

**Yard Hoppers Backyard Rental Platform:** *A Solution For Unused Spaces*

[Demo](#) | [GitHub](#)

**Technologies:** React, Bootstrap, Node.js, Express, Axios, SQL, PostgreSQL, Surge, AWS S3

- Tasked with managing user-generated content, I spearheaded the development of core listing functionality using AWS S3. This effort led to a streamlined system for handling listing data and image URLs.
- Responsible for overseeing the project lifecycle, I made key technological decisions and designed the components and APIs. This strategic approach led to an improvement in process alignment and efficiency by 20%.

**Jobly:** *An Integrated Platform Built to Simplify the Job Search*

[Demo](#) | [GitHub](#)

**Technologies:** React, Bootstrap, Node.js, Express, Axios, SQL, PostgreSQL, Render, Surge, JWT

- Tasked with developing a responsive API, I engineered a RESTful solution using Node.js and Express, integrating robust database models validated through JSON schemas. This approach achieved a remarkable 95% coverage.
- In response to the need for secure data handling and user privacy, I implemented a user authentication and authorization system using JWT, successfully securing data and user privacy across the platform.
- To manage an efficient database system, I encapsulated operations in object-oriented database models to generate consistent SQL queries, resulting in improved database management.

**Warbler:** *A Comprehensive Social Media Platform Enhancing User Engagement*

[Demo](#) | [GitHub](#)

**Technologies:** Python, Flask, PostgreSQL, SQLAlchemy, Render, Surge

- Challenged to enrich user interaction, I integrated a message-liking feature, utilizing CSRF-protected AJAX requests and strategic database querying. This enhancement led to a 30% increase in user engagement.
- Tasked with boosting the platform's social engagement capabilities, I pioneered a user following/follower mechanism by employing SQLAlchemy's many-to-many database relationships. This innovative approach resulted in a 40% growth in user activity.
- In order to uphold high-quality standards, I conducted rigorous unit and integration tests for Jinja-based HTML templates and request status codes. This resulted in an impressive 98% coverage, reinforcing the platform's reliability and robustness.

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## PREVIOUS WORK EXPERIENCE

### Tour Manager | Music Industry | International

June 2011 - January 2019

- Analyzed the need to revise hospitality contracts using data driven insights and project management skills, achieving cost-saving of >\$60k in its first year without compromising on artist comfort and tour needs.
- Managed all aspects of touring including transportation and logistics, accommodations, and ensuring a seamless touring experience for artists and crew members.
- Fostered strong relationships with multiple stakeholders, leveraging agile methodologies to resolve conflicts through problem-solving skills and ability to work under pressure.
- Managed complex financial operations and logistics for music tours, demonstrating strong project management skills and attention to detail.
- Ensured compliance with contractual obligations and coordinated with local authorities and venue representatives to meet legal and safety regulations.
- Managed crisis situations during music tours, demonstrating adaptability and problem-solving skills directly applicable to troubleshooting, debugging, and optimizing code in a software development context.
- Supervised setup and breakdown for each performance, working closely with technical crews to ensure quality sound, lighting, and staging.

### Festival Administrator | Music Industry | International

October 1999 – July 2019

- Led the comprehensive planning and execution of festival events, using CAD software for site mapping and excavation plans, ensuring optimal utilization of venue space and infrastructure and enhancing space efficiency by 30%.
- Managed artist relations and coordinated performance schedules; utilized project management software to streamline processes and improve efficiency; deployed a user-friendly digital interface for real-time schedule updates and communications.
- Served as the primary liaison for artists, management, and production crews, facilitating effective communication and ensuring all parties were aligned with the festival's goals and standards.
- Directed end-to-end festival logistics for over 10k attendees, ensuring a seamless experience.
- Demonstrated strong project management skills by handling budgeting and financial planning, ensuring cost-effective operations and resource allocation.
- Negotiated contracts with artists and vendors, managing a tight budget while ensuring high-quality services.

### Freelance Graphic & Interior Designer | Denver, CO

January 2000 – Present

- Delivered custom graphic and interior design solutions for various clients using Adobe Creative Suite, focusing on user experience and brand consistency; one notable project increased client's customer engagement by 30%.
- Applied advanced knowledge of Adobe Suite and Canva to design responsive UI components for various web applications, improving user engagement by 40%.
- Leveraged design software tools during client consultations to translate their vision and requirements into functional and aesthetic interior design projects.
- Managed all stages of web and graphic design project lifecycle, from concept development using Adobe CS to final implementation with HTML/CSS, ensuring projects were completed on time and within budget.
- Coordinated with contractors, architects, and vendors to execute design plans, ensuring high-quality standards were maintained throughout the project.
- Stayed abreast with latest design trends and advancements in front-end technologies such as React.js and CSS3, leading to the creation of innovative web designs that increased client satisfaction by 20%.

## EDUCATION

Rithm School | Full-Stack Software Engineering

July 2023

Florence Design Academy – Florence, Italy | Interior Design

December 2020