TANYA SHYLOCK

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I am a Full-Stack Software Engineer with a proficiency in technologies such as JavaScript, React, Python, Django, and CSS. Currently leveraging these skills as the architect and lead developer of a web/mobile app generating stories for children. 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 Software 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, Coverage, Jasmine, Surge, Render
Design: Adobe Creative Suite, Canva, Figma, AutoCAD, 3ds Max

PROFESSIONAL DEVELOPER EXPERIENCE

Architect and Lead Developer- Contract (Private) | Denver, CO   August 2023 - Present
Technologies: Django, Bootstrap, Ajax, jQuery, Axios, PostgreSQL, Celery, React Native, Python Unittest, OpenAI API, GitLab
- Conceptualized, designed, and developed a dynamic bedtime story generator, harnessing the power of GPT-based models to produce tailored narratives for users.
- Implemented a modular Django backend with advanced form handling, enabling users to customize story elements such as genre, characters, and settings.
- Enhanced user experience by introducing a dynamic form UI, adapting in real-time to user selections and ensuring an intuitive story-building process.
- Integrated OpenAI's API to generate compelling, cohesive stories based on user-provided details, ensuring each story output is unique and engaging.
- Established an admin panel for team collaboration, enabling non-developers to modify story prompts and adjust generation parameters without diving into code.

Software Engineer Intern- Rithm School | San Francisco, CA (remote)   June 2023 – July 2023
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.*
- 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.
- 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 50%.
- Optimized content administration by leveraging Django's ORM for efficient data storage and retrieval of blog posts and associated information, resulting in streamlined data retrieval 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.
- Oversaw 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.

Warbler: *A Comprehensive Social Media Platform Enhancing User Engagement*   **Demo | GitHub**
Technologies: Python, Flask, PostgreSQL, SQLAlchemy, Render, Surge
- Integrated a message-liking feature, utilizing CSRF-protected AJAX requests and strategic database querying. This enhancement led to a 30% increase in user engagement.
- Pioneered a user following/follower mechanism by employing SQLAlchemy's many-to-many database relationships. This innovative approach resulted in a 40% growth in social engagement.
- 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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<u>TECHNICAL PROJECTS (CONTINUED)</u>

Jobly: *An Integrated Platform Built to Simplify the Job Search*   **Demo** | **GitHub**
Technologies: React, Bootstrap, Node.js, Express, Axios, SQL, PostgreSQL, Render, Surge, JWT
  • Developed a responsive API, engineered a RESTful solution using Node.js and Express, and integrated robust database models validated through JSON schemas. This approach achieved a remarkable 95% coverage.
  • Implemented a user authentication and authorization system using JWT in response to the need for secure data handling and user privacy, successfully securing data and user privacy across the platform.
  • Encapsulated operations in object-oriented database models to generate consistent SQL queries, resulting in improved efficiency in database management.

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 Web, 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