David Mostoller

Frontend Software Engineer

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About

Dependable software engineer skilled in problem-solving, testing, and driving change. Experienced in React, Javascript and Python, with a focus on continuous learning and adapting to new technologies.

Experience

Frontend Software Engineer · The Spry Group · Brooklyn, NY, USA   Sep '24 - Present

- Leading the redevelopment of TypeNetwork's website, transitioning from Angular to Next.js with Typescript & Apollo, ensuring performance, scalability, and maintainability.
- Collaborating on a GraphQL and Django-based backend, rigorously testing and integrating modern coding practices to ensure smooth functionality, security, and scalability of the platform.
- Translating front-end designs by reverse-engineering existing UI/UX elements, ensuring proper implementation without full design specs, and delivering a fast, modern, and responsive user experience.
- Working within a mature codebase, implementing cutting-edge techniques and writing comprehensive tests to minimize errors and optimize site performance across a complex, multi-faceted project.

Full Stack Software Engineer · Freelance · Philadelphia, PA, USA   Jun '22 - Aug '24

- Developed a custom website for a prominent musician, incorporating a fully interactive music player and catalog using React, to enhance fan engagement and streamline content discovery.
- Created an SEO-optimized blog and marketing page for South River Studios, a web agency, built with Jekyll and styled with Bulma, driving lead generation and boosting the agency's online visibility.
- Designed and deployed a portfolio website with CMS integration for an independent artist, enabling them to manage posts, run community contests, and engage with their audience through interactive content and commenting features.

Software Developer · Future Media Academy · Belgium   May '20 - Dec '23

- Enhanced accessibility, UI/UX and video streaming capabilities, boosting user engagement by 50%.

Business Analyst · Zoomer inc · Philadelphia   Jan '15 - Nov '16

- Established and maintained SQL datasets and interactive dashboards using BI tools like Tableau, delivering key insights to business stakeholders in a fast-paced startup environment.
- Transformed complex data into actionable insights with MapBox, contributing to strategic decisions in a small but fast-paced startup environment while collaborating across teams.

Software Engineer · Entourage Yearbooks · Princeton, NJ, USA   Jan '10 - Oct '12

- Led a cross-functional team, including product managers and designers, to develop a yearbook management platform, resulting in a 150% increase in annual revenue while delivering the project on time and within budget.
- Spearheaded the integration of Chili Publish, collaborating with product and design teams to make Entourage the first U.S. online yearbook publisher to offer web-based design software, improving design capabilities and boosting customer satisfaction by 30%.

Education

Flatiron School | Engineer's Degree   Grad Mar '24
Engineer's Degree

Wesleyan University | Bachelor's Degree   Grad May '08
Bachelor's Degree

Projects

Musician's Base • davidmostoller.com/ • Artist-Fan Interaction & Content Hub   Mar '24

A dynamic user experience platform for artists to create and share content while engaging with fans through interactive features like chat forums and personalized music collections.

· Designed and implemented RESTful APIs, enabling seamless content management for artists and fans, and integrated multiple third-party APIs, including YouTube Data API, Google Maps API, GeoPy for geocoding, and Cloudinary for media uploads.

TutorBot • davidmostoller.com/ • Contextual Video Chatbot Assistant   May '24

A smart tool that incorporates an interactive React front end and AI technology in order to enhance YouTube user learning experiences.

· Researched and implemented cutting-edge machine learning algorithms to enhance the natural language processing capabilities of TutorBot, improving its ability to provide accurate and relevant information to users.

Social Artist Portfolio • davidmostoller.com/ • Interactive Artist Showcase & Engagement Platform   Mar '24

An interactive platform for artists to showcase their work and engage with their audience through comments and feedback.

· Incorporated user-friendly software design elements to encourage artist engagement and interaction within the platform.

Mars Base • davidmostoller.com/ • (Oregon Trail: In Space)   Feb '24

An interactive turn-based CLI game in the style of Oregon Trail, created with Python and SQLAlchemy.

Skills

Programming: testing · Debugging · Javascript · Python · SQL · Object-Oriented Programming

Frontend Development: ES6 · TypeScript · HTML · CSS · JavaScript frameworks · ReactJS · NextJS · Tailwind CSS

Backend Development: SQLAlchemy · Node.js · Flask · Database Design · MySQL · PostgreSQL · REST APIs

Cloud Technologies: AWS · Azure · Google Cloud Platform · Docker · Kubernetes · Cloud Services

Collaboration: Collaboration · collaborative · cross-functional collaboration · team-oriented · communication

Testing & Quality: automated tests · code quality · code reviews · Quality Assurance · software testing

Tools & Frameworks: CRM · Git · Postman · Webpack · Sass · Figma · Adobe XD

Agile & Project Management: Agile Methodologies · Scrum · continuous learning · pro-active approach

Data & AI: data analysis · data indexing · data pipeline development · Machine Learning · AI model integration

Design & UX: UX Design · user experience design · frontend design · visualizations · graphic design · Mapbox

Other: problem solving · ownership · Google Analytics · documentation · Indexing · data structures