

# David Mostoller

Software Engineer | Dependable software engineer with a knack for problem-solving, testing solutions, and driving change. Entrepreneurially minded and data-driven, with a passion for delivering value to customers by creating inclusive, user-focused solutions.- Experienced in React, Next.js, TypeScript, Python, and more, with a strong commitment to helping people achieve their goals and pursue what they love through technology.

CONTACT

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EXPERIENCE	<b>The Spry Group</b> Software Engineer	Brooklyn, NY, USA · 2024 - Present <ul style="list-style-type: none"><li>• Migrating TypeNetwork's frontend website from Angular to Next.js with Typescript &amp; GraphQL, ensuring performance, scalability, and maintainability.</li><li>• Collaborating on a GraphQL , Django &amp; Postgres backend, rigorously testing and integrating modern coding practices to guarantee smooth functionality, security, and scalability of the platform.</li><li>• 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.</li><li>• 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.</li></ul>
	<b>Freelance</b> Full Stack Software Engineer	Philadelphia, PA, USA · 2023 - 2024 <ul style="list-style-type: none"><li>• Designed and coded responsive, user-friendly websites and web applications using the latest tools, languages, and frameworks, ensuring solutions that deliver exceptional value and functionality to users.</li><li>• Implemented robust front-end features with React and efficient back-end solutions with Python/Flask for enterprise software and b2b SaaS.</li><li>• Managed full project life cycles from planning to deployment, containerization and maintenance.</li><li>• Successfully juggled multiple projects simultaneously, demonstrating strong multitasking abilities and exceptional time management skills.</li></ul>
	<b>Future Media Academy</b> Front End Software Developer	Belgium · 2020 - 2023 <ul style="list-style-type: none"><li>• Enhanced accessibility, UI/UX, and video streaming capabilities, boosting user engagement by 50%, while collaborating closely with the product team to assess feature feasibility, clarify requirements, and align technical solutions with user needs and business goals.</li></ul>
	<b>Zoomer</b> Business Analyst	Philadelphia, PA, USA · 2015 - 2016 <ul style="list-style-type: none"><li>• Developed and maintained SQL datasets and interactive dashboards using BI tools like Tableau and MapBox, transforming complex data into actionable insights that drove strategic business outcomes and contributed to Zoomer's growth to a \$20 million valuation.</li></ul>
	<b>Entourage Yearbooks</b> Software Developer	Princeton, NJ, USA · 2010 - 2012 <ul style="list-style-type: none"><li>• Led team to develop a yearbook management platform integrating Chili Publish, becoming the first U.S. online yearbook publisher to offer comprehensive web-based design software, which improved design capabilities and customer satisfaction by 30%</li></ul>

EDUCATION	<b>Flatiron School</b>	Certificate Computer Science & Programming · Graduation: 2024
	<b>Wesleyan University</b>	Bachelor's Degree Political Science & Government

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## PROJECTS

### PhilaReact

[www.philareact.org/](http://www.philareact.org/)

#### Community Platform for React Developers

- A community platform for React, Next.js, and JavaScript enthusiasts in Philadelphia, fostering collaboration, learning, and knowledge sharing among developers.
- Designed and developed a feature-rich platform using Next.js 14, TypeScript, and Tailwind CSS to create a seamless user experience for event management, forums, and resource sharing.
- Implemented a PostgreSQL database with Prisma ORM to handle robust data storage for events, user profiles, and discussions.
- Integrated Google OAuth authentication via NextAuth.js, ensuring secure and user-friendly login processes.
- Optimized platform development workflows with ESLint, Prettier, and automated tests, ensuring high-quality and maintainable code.

### Musician's Base

[superluminalpsy.com/](http://superluminalpsy.com/)

#### Artist-Fan Interaction & Content Hub

- 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/tutorbot](http://davidmostoller.com/tutorbot)

#### Contextual Video Chatbot Assistant

- 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.

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## SKILLS

**Frontend Development:** TypeScript · Javascript · NextJS · React.js · GraphQL · Tailwind CSS · ES6+ · Vite · Webpack · CSS frameworks · HTML · Babel · CSS

**Backend Development:** Node.js · Python · PostgreSQL · Prisma · REST APIs · Flask · SQLAlchemy · Postman · REST principles · backend APIs · SQL databases · Database Design · MySQL

**Cloud Technologies:** AWS · Azure · Google Cloud Platform · CI/CD tools · SRE tools · CircleCI · Docker · Cloud Services

**Testing & Quality:** Jest · unit and integration testing · code reviews

**Tools:** GitHub · Git

**Agile & Project Management:** Agile Methodologies · Scrum

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

**Design & UX:** UX Design · Figma · graphic design

**Other:** Google Analytics · documentation · data structures