David Mostoller

Software Engineer | Dependable software engineer with a knack for problem-solving and creating inclusive, user-centered solutions. Skilled in React, Next.js, TypeScript, Python, and more, dedicated to helping people achieve their goals through technology.

CONTACT

dmostoller@gmail.com · (609) 356-2011 · Philadelphia, PA, USA · linkedin.com/in/david-mostoller · github.com/dmostoller

EXPERIENCE

The Spry Group
Software Engineer

Brooklyn, NY, USA · 2024 - Present

- Migrating TypeNetwork's frontend website from Angular to Next.js with TypeScript & GraphQL, enhancing performance, scalability, and maintainability, while collaborating on a GraphQL, Django & Postgres backend to guarantee secure and scalable functionality.
- 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 mature codebases, implementing cutting-edge techniques, writing comprehensive tests to minimize errors, and optimizing performance across complex, multi-faceted projects.
- Developing a data-analyzing desktop application with TypeScript, Node.js, Electron, and SQLite, enabling efficient data insights through a user-friendly interface.

Freelance
Full Stack Software Engineer

Philadelphia, PA, USA · 2023 - 2024

- 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.
- Implemented robust front-end features with React and efficient back-end solutions with Python/Flask for enterprise software and b2b SaaS.
- Managed full project life cycles from planning to deployment, containerization and maintenance.
- Successfully juggled multiple projects simultaneously, demonstrating strong multitasking abilities and exceptional time management skills.

Future Media Academy
Front End Software Developer

Belgium · 2020 - 2023

- 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.

Zoomer
Business Analyst

Philadelphia, PA, USA · 2015 - 2016

- Designed 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.

Entourage Yearbooks
Software Developer

Princeton, NJ, USA · 2010 - 2012

- 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%

EDUCATION

Flatiron School
Certificate
Computer Science & Programming

Wesleyan University
Bachelor's Degree
Political Science & Government

AI Resume Analyzer
www.airesumeanalyz-
er.com/

Transforming Resume Optimization with AI Insights · 2024

· Built an AI-powered platform to optimize job seekers' resumes by analyzing ATS compatibility, relevance to job descriptions, and keyword alignment, resulting in a 25% improvement in job interview callbacks.

· Achieved over 1,000 active users within 2 weeks of launch, with 10 paid subscribers and nearly 2,000 resumes analyzed to date, averaging 200 daily scans.

· Designed a tailored scoring system to evaluate resumes against specific job descriptions using advanced algorithms, providing personalized feedback for targeted roles.

· Integrated multiple AI models to deliver diverse perspectives on resume optimization, empowering users with actionable insights.

Form Accessibility Validator
fav-website.vercel.app/

Ensuring Accessible Forms for Everyone · 2024

· Developed a browser extension that validates form accessibility in real-time, helping developers identify WCAG compliance issues and simulate color vision deficiencies.

· Implemented detailed violation reporting and quick-fix suggestions for common issues like label presence, color contrast, and focus indicators.

· Enabled developers to test forms against WCAG 2.1 guidelines with non-intrusive overlays and severity-based prioritization, improving form usability and inclusivity.

PhilaReact
www.philareact.org/

Community Platform for React Developers · 2024

· Spearheaded the design and development of a dynamic community platform for React, Next.js, and JavaScript enthusiasts in Philadelphia, fostering collaboration and knowledge sharing.

· Built a seamless user experience for event management, forums, and resource sharing using Next.js, TypeScript, and Tailwind CSS.

· Engineered robust data storage solutions with PostgreSQL and Prisma ORM, ensuring reliability and scalability for user profiles, events, and discussions.

· Integrated secure Google OAuth authentication via NextAuth.js, streamlining login processes.

· Elevated code quality and maintainability by leveraging ESLint, Prettier, and automated testing practices.

TutorBot
www.david-
mostoller.com/projects

Contextual Video Chatbot Assistant · 2024

· Developed an innovative chatbot that enhances YouTube learning experiences by leveraging AI-driven natural language processing and contextual understanding.

· Implemented advanced machine learning algorithms, improving response accuracy and relevance, and elevating user engagement.

· Utilized AI indexing and transcription tools to deliver precise, real-time answers to user queries.

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