David Mostoller

Philadelphia, PA | (609) 356-2011 | dmostoller@gmail.com
LinkedIn | Github | Blog

FULL-STACK SOFTWARE ENGINEER

Full-stack developer with a background in music and teaching. Strong skills with frontend and backend technologies such as Javascript, React, and Python. Proven ability to collaborate and communicate with cross-functional teams in an agile environment. Interested in new technologies and leveraging insights gained from diverse experiences to develop innovative applications that push the boundaries of user experience.

TECHNICAL SKILLS

Python, Flask, SQL, SQLAlchemy, JavaScript (ES6), React.js, Node.js, Postgres, Redux, Webpack, ASP.NET, HTML, CSS, Git, Mapbox, REST APIs, Adobe Creative Suite

TECHNICAL PROJECTS

Musician's Base - Github | Demo
A social fan page allowing musicians to create content and fans to interact with content and other fans through comments, a chat forum, and saving music releases to their collection.
- Developed a React/Javascript front-end and Python/Flask-Restful/SQLAlchemy back-end application.
- Implemented useContext and Bcrypt to authenticate users and manage user/admin authorization.
- Integrated Cloudinary and WaveSurfer to enable image and audio file uploads and audio playback.
- Leveraged Google APIs to implement Youtube video playback, a user Map, and a GIF picker.

Social Artist Portfolio - Github | Demo
An artist portfolio with social features, allowing users to comment on posts and paintings.
- Developed a Flask-Restful/SQLAlchemy backend to create a structure for a social portfolio website.
- Developed a React frontend to enable users to access the site, sign up as users and make comments.
- Coded forms with Formik/Yup validation so that an admin can create/edit/delete resources directly from the site.
- Implemented Cloudinary to enable the direct upload of images from the react front end.

Mars Base - Github | Demo
An interactive turn-based CLI game created with Python and SQLAlchemy.
- Developed Flask-Restful resource models and routes to create the basis for a game.
- Coded a looping structure of functions in python to create a turn based game in the style of Oregon trail.
- Integrated ASCII art and the Playsound library to add art and music to the game.
- Architected logic structures and assigned probabilities to make the game a mix of chance and skill.

EXPERIENCE

Kabayun - Sangoma Records   Philadelphia, PA
Electronic Music Producer   May 2008 - present
- Produced, mixed and mastered original electronic music as I worked to become a well-renowned musician, performing in over 40 countries, with over 100 tracks released on various international record labels.
- Designed an artist website to maintain and promote my brand.
- Manage a robust social media presence with over 100,000 followers.

Future Media Academy   Philadelphia, PA / Belgium / Remote
Instructor / Mentor   June 2020 - December 2023
- Taught electronic music production techniques and mentored international students to help the next generation of musicians achieve their goals in the music industry.

Vamos Juntos   Philadelphia, PA
Volunteer   June 2020 - September 2021
- Distributed nutritional assistance (food aid) to the South Philadelphia Latinx community.

Zoomer, Inc   Philadelphia, PA
Web Software Specialist - Business Analysis Team   January 2015 - November 2016
- Assembled maps, graphs, and charts for visualizing data using Mapbox and other tools, to enable executive decision making processes such as choosing which new markets to enter, helping Zoomer compete with other RDS startups

(DoorDash, Grubhub, etc.) and attract investors during funding rounds as Zoomer grew to a multi-million dollar valuation.

Entourage Yearbooks   Princeton, NJ
Software Engineer / Web Developer / Account Manager   January 2010 - October 2012
- Led a team that developed a full stack web application including an online store and functionality for managing content and the production of yearbooks, both for the customers and the in-house production team, helping Entourage become the fastest growing yearbook company in the USA at the time.
- Assisted in the integration of a web-based photo editing and layout software (Chili Publish), becoming the first online yearbook publisher with a fully featured web-based design software in the USA.
- Managed accounts and guided clients in the design and creation of photo books with digital software.

EDUCATION

Flatiron School   Remote
Full Stack Web Development, Software Engineering and Computer Science   December 2023 - March 2024

Wesleyan University   Middletown, CT
Bachelor of the Arts, Government