

DAVID MOSTOLLER

SOFTWARE ENGINEER

CONTACT

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[LinkedIn](#) | [GitHub](#) | [Medium](#)

PROFILE

I am a results-driven team leader and a software engineer driven to create impactful products that foster community.

SKILLS

Front-End Development:

React, Javascript, HTML5, CSS, SaSS, Semantic-UI, Tailwind, Typescript, Webpack, Redux, Next.js, Node.js, Cloudinary, APIs, Git

- API Integration
- Performance Optimization
- Agile Methodologies
- UI/UX Design
- Testing Frameworks

Backend Development:

Python, Flask, PostgreSQL, Rest APIs, AWS, SQLAlchemy, Docker, .NET, PHP, Ruby, Git, Postman, Google Analytics

- Database Design
- Object Oriented Programming
- Cloud Services
- Debugging
- Microservices

LLMs/AI:

ChatGPT, LLaMA-Index

- Indexing
- Machine Learning

Data Analysis:

SQL, MySQL, Mapbox

- Analytical Thinking
- Collaboration

Graphic Design:

Adobe Creative Suite

WORK

Full Stack Software Engineer

Freelance, Philadelphia, PA

2022-current

- Designed and coded responsive, user-friendly websites and web applications.
- Implemented robust front-end features with React and efficient back-end solutions with Python/Flask.
- Produced high-quality deliverables, increasing client satisfaction by 35%.
- Managed full project life cycles from planning to deployment and maintenance.

Music Teacher / Web Developer

Future Media Academy, Belgium

2020-2023

- Developed curriculum and mentored students in music production.
- Enhanced accessibility, UI/UX and video streaming capabilities, boosting user engagement by 50%.
- Improved performance of web-based tools, reducing downtime by 35%.
- Implemented digital learning solutions, increasing completion rates by 25%.

Business Analyst

Zoomer, Inc, Philadelphia, PA

2015-2016

- Managed SQL datasets and dashboards to inform executive decision making.
- Utilized MapBox to create data visualizations that contributed to Zoomer's growth to a \$20 million valuation.

Software Engineer

Entourage Yearbooks, Princeton, NJ

2010-2012

- Led team to develop a yearbook management platform, leading to a 150% increase in annual revenue.
- Spearheaded the integration of Chili Publish, making Entourage the first U.S. online yearbook publisher to offer comprehensive web-based design software, which improved design capabilities and customer satisfaction by 30%.
- Ensured seamless compatibility between front-end and back-end systems, reducing system errors by 25%.

Digital Marketing & Brand Manager

Kabayun, Superluminal, Philadelphia, PA

2008-2023

- Developed a dedicated artist website and cross-platform brand and marketing strategies.
- Attracted 100,000 new followers through targeted advertising and marketing campaigns.
- Created graphics, videos and promotional material for a global audience.

EDUCATION

The Flatiron School

Certificate 2023-2024
Software Engineering & Computer Science

Wesleyan University

Bachelor of the Arts 2004-2008
Government

REFERENCES

Malcolm Wyer Design Researcher

802-291-2279

malcolm.wyer@gmail.com

PROJECTS

Artist-Fan Interaction & Content Hub

React, Python, Flask, Javascript, SQLAlchemy, GeoPy, 2024
Cloudinary, PostgreSQL, WaveSurfer, Semantic-UI

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.

[Github Repo](#) | [Deployed Site](#) | [Video Demo](#)

Contextual Video Chatbot Assistant

React, Python, Flask, Javascript, CSS, ChatGPT, Llama-Index 2024

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

[Github Repo](#) | [Deployed Site](#) | [Video Demo](#)

Interactive Artist Showcase & Engagement Platform

React, Python, Flask, Javascript, SQLAlchemy, 2024
Semantic-UI, Cloudinary, PostgreSQL

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

[Github Repo](#) | [Deployed Site](#) | [Video Demo](#)

Mars Base (Oregon Trail: In Space)

Python, SQLAlchemy, Rich, Playsound 2024

A turn-based, command-line interface game that incorporates multimedia elements like ASCII art and uses Python and SQLAlchemy to create complex game logic.

[Github Repo](#) | [Video Demo](#)