Sun English Jr.

Full Stack Software Engineer - JavaScript, React.js, Next.js   **Richmond, VA**

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I'm a Full Stack Software Engineer specializing in JavaScript/TypeScript, Python/Flask, React, Next.js, Node.js, Chakra UI, TailwindCSS, and Project Management. I am an advocate for accessible design, scalable applications, sound documentation, and smooth interfaces. My current interests include DevOps, Docker, Typescript, AI recommendation tools, and cloud architecture. I have over 3 years of professional experience in the industry and I have built applications for the Museum, Civic Tech, and WEB3 sectors.

Skills: AI Agents, Deep Learning, Machine Learning, JavaScript, TypeScript, Python, Express, Flask, Swift, Docker, AWS, GCP, Nextjs, React, Redux, TailwindCSS, ChakraUI, Supabase, PostgresQL, NoSQL, Node.js, Mocha + Chai, AI, WEB3, and more!

Projects

CareMap ([Code](#) | [View Site](#))
September 2024-Present

A React, Redux and Javascript application utilising Leaflet maps for the Civic Tech industry. The project was built using Supabase and WEB3, helping communities across America access resources and securely invest in their community through voting and collaboration.

- Community members lacked coordination to organize and share resources. This tool offers comprehensive, live information monitored by each community.
- Secure Web3 and wallet/MetaMask API integration to enable safe community investment
- Efficient queries thoughtfully thinking of UX, debouncing, and state management

SpaceCase ([Code](#) | [View Site](#))
December 2024-January 2025

A **Dockerized** React, Redux, Javascript, Python and Flask application utilising Web3 and Interplanetary File Storage which serves many industries. The project was built using Pinata and React libraries, in order to make uploads in the Web3 space as simple as they are in Web2.

- Made the clients idea simpler by utilizing better tools
  - Overall performance is better with less need for querying and user input
  - Utilize caching for rate limits
- A user can upload files and access them without realizing they are using Web3/BlockChain
- Utilized the UI/UX to educate the user on Web3/Blockchain

LCVA Portal ([Code](#) | [View Site](#))
November 2024-Present

A Swift, SwiftUI, Python application utilising Firebase and Firestore which serves the Museum and Education industry.

- Created Art Recommendation AI Agent using LangChain and OpenAI

Experience

Amerind Nation - Full Stack Software Engineer ([Code](#) | [View Site](#))
November 2024 - Present

- Collaborated with government stakeholders and business partners across the US
- Multiple iterations in short time in order to achieve the most scalable, lightweight product
- Server-side rendering and caching techniques reduced load times, providing an immediate user experience.
- Used chunks and sophisticated data management in order to convert multiple ~500MB GeoJson Files into >10kb vectorized files; resulting in extremely fast loading and smooth UX

Longwood Center for the Visual Arts - Full Stack Software Engineer
October 2022 - Present

- Created a mobile app the connects students and community visitors to gallery information and the art collection; increasing engagement and show attendance
- Created a gallery management application using Redis for lightning fast management and team collaboration; resulting in quicker installations, and less last minute tasks
- Implemented SQL, NoSQL, and cloud databases, considering security, capability, and efficiency as necessary
- Developed an artificial intelligence system that accepts user input and provides art recommendations based on the museum's extensive art collection.

Education

Full-Stack Software Engineering Bootcamp
App Academy
March 2024- February 2025

- JavaScript/Express | - Python/Flask
- React/Redux | - Unit Testing w/ Mocha+Chai
- HTML/CSS | - Docker
- Comp/Sci (Linked Trees, Data Structures, Big-O, Graphs, sorting, search strategies, etc.)
- Git / GitHub / Github Actions

BFA Drawing
Maryland Institute College of Art
September 2011 - May 2014

- Web Design/UI/UX/Dreamweaver
- Graphic Design - HTML/ CSS

Interests

Farming: I own a family farm with many chickens and dogs, a high tunnel, and we sell at a local farmers market

Gaming: I was one of the top ranked Armored Core players in late 2023

Hiking & Mountaineering: It's been a couple years; but I love to get out and walk for miles

Hosting: I've been stepping out of my comfort zone by hosting more friend events at home. I'm loving it!