Lance Hemphill

(304) 512-0415 | lancehemphill2000@gmail.com | linkedin.com/in/lance-hemphill | github.com/IzykGit

SUMMARY

Full-Stack Developer specializing in React-based frontends and Python/Node.js backends (Flask, Express), with hands-on experience deploying scalable applications using cloud platforms like AWS and Linode. Proficient in modern frameworks and end-to-end development workflows.

EXPERIENCE

Intern at Tomorrow's Ai   October 2024 – Present
Remote

- Founding Engineer: Spearheaded the complete development lifecycle of the project from conceptualization and architectural design to full-scale implementation and deployment.
- Designed UI/UX prototypes for Europe News Global using Figma, ensuring alignment with brand guidelines and usability best practices.
- Engineered reusable React components and dynamic pages, leveraging React Query (TanStack) for optimized frontend caching and reduced redundant API calls.
- Developed a Flask backend in VSCode, designing RESTful APIs to integrate seamlessly with the React frontend for full-stack functionality.
- Deployed the Flask backend to PythonAnywhere for testing and production, streamlining the deployment process and ensuring reliable uptime.
- Integrated AWS DynamoDB as the primary NoSQL database, enabling efficient data storage and retrieval for the application.
- Collaborated with a cross-functional team to architect system design, define API endpoints, and refine feature implementation strategies.

PROJECTS

Lance Hemphill Portfolio | *React, Framer Motion*, Git   May 2024

- Demo
- Built a responsive portfolio with interactive animations using React and Framer Motion, deployed on Vercel.

Link Sharing App | *NextJS NextAuth, Axios, MongoDB, Git*   August 2024

- Demo
- Developed a full-stack application enabling users to create shareable phone-shaped previews of multiple links, simulating a mobile interface for easy sharing.
- Implemented GitHub OAuth authentication using NextAuth for secure user sign-in and session management.
- Utilized cookies, useSession, and localStorage for efficient client-side caching and persistent user preferences.
- Designed a responsive UI with dynamic link previews, allowing users to customize and organize their shared content.
- Integrated MongoDB for database storage and deployed via Vercel with AWS for scalable backend infrastructure.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS
Frontend: React, Next.js, Tailwind CSS, Framer Motion, React Query (TanStack)
Backend: Flask, REST APIs, PythonAnywhere, Express
Databases: AWS DynamoDB, MongoDB
Tools: Git, AWS, Linode, PythonAnywhere, VSCode, Figma, Vercel
Other: Agile Development, Responsive Design, CI/CD