Lucas Leiby

Contact Information

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Education

University of Pittsburgh | Bachelor of Science in Computer Science, Cum Laude, Pittsburgh, PA, 08/2022

Skills

- Languages: Python, Java, HTML/CSS/JS
- Frameworks: Django, Flask
- DevOps/CI/CD: Docker, Nginx, Fly.IO, GitHub Actions

Personal Projects

- Developed a Docker project for local WordPress development and deployment to production
- Created a background desktop app providing Spotify keyboard controls for screen reader users
- Built a tool to automatically patch Hearthstone for screen reader accessibility
- Deployed URL shortener for free and personal use amongst friends and family

Work Experience

Prime Access Consulting | Software Developer (January 2023 - Present)

- Built a Django + Slack app to automate internal tasks like cache clearing and policy lookup, reducing task time from minutes to seconds
- Implemented speech, volume, and rate controls for a custom accessibility keypad enabling blind users to interact with museum kiosks
- Led development of two Hugo-based companion websites providing accessible wall text and image descriptions for blind museum visitors via QR code integration
- Implemented accessibility-driven CSS updates to improve text spacing and formatting on live Hugo site based on teammate feedback
- Built Docker setup for local dev and managed company website deployments via SSH and SpinupWP, including server and Cloudflare cache handling
- Deployed client-facing Node app using Docker on a VPS, configured Nginx reverse proxy and SSL for secure access under company domain
- Deployed a Flask-based live multiple-choice game for 500+ users at conference and convention events, built and launched under tight two-week deadline
- Researched accessibility gaps in the IIIF spec and common image viewers, drafting proposed metadata enhancements to support alt text and visual descriptions
- Recovered from a production DB failure in a Rails app by resolving an unmounted Docker volume and documenting recovery steps
- Planned and triaged internal tool and web app projects, converting Slack feedback into GitHub issues with scoped estimates and dev notes