ALEXIS VIELMA

Kansas City, KS   +1 (913) 284-4194   alexis@alexis.lol   https://alexis.lol/

EDUCATION

The University of Kansas   **Aug 2021 – Expected 2025**
B.Sc. Computer Science – 3.6 In-major GPA   *Lawrence, KS*

WORK EXPERIENCE

Technology Director   **Mar 2023 – Present**
KJHK 90.7 FM   *Hybrid – Lawrence, KS*
- Led the UI/UX design, architecture, and development of a new mobile application, using React Native and TypeScript, resulting in a user-friendly and cross-platform solution that enhanced the station's digital presence.
- Developed a web dashboard that aggregates useful resources for on-air DJs such as weather information, currently playing song information, and easy access to internal logging software.
- Installed and configured an RDS Encoder using TCP protocol in order to display now-playing metadata on RDS enabled radios, improving listener experience across the city.

Founding Engineer   **May 2023 – Present**
Lightbulb.ai   *Remote – Kansas City, KS*
- Successfully conceptualized, developed, and deployed an initial MVP of the web dashboard using Next.js, Tailwind CSS, and AWS, which was utilized as a demo showcase for potential clients.
- Architected an API ecosystem using Next.js and AWS to seamlessly interface with serverless functions and microservices, ensuring efficient communication and data flow.
- Conducted comprehensive research on serverless architecture, exploring potential benefits and implications for future product development and scalability.

DevOps Engineer Intern   **May 2022 – Aug 2022**
Major League Hacking (Meta)   *Remote – Kansas City, KS*
- Designed and developed an open-source personal portfolio website using Python, Flask, Jinja, MySQL, and Nginx. Following best practices and workflows.
- Automated testing and deployment workflows using CI/CD with GitHub Actions. Implemented system and container monitoring, alerting, and visualization using Promethus and Graphna.
- Completed 12-weeks of structured curriculum-based learning covering core Production Engineering topics, supplemented with events / workshops hosted by industry experts.

PROJECT EXPERIENCE

KJHK 90.7 FM – Mobile App | *TypeScript, React Native, Zetta RCS*
- A cross-platform mobile application that allows KJHK 90.7 listeners to tune in from wherever they are.
- In charge of fullstack development – including UI/UX, React Native for app, and APIs to fetch metadata.

Braindex | *TypeScript, React Native, AWS, Flask*
- A mobile app built with React Native that uses AWS and a NLP to generate flash cards, and quizzes based off of notes.
- In charge of UI/UX design, mobile app development and integration with AWS Lambda functions to ingest data.

Mapsy | *TypeScript, React, Firebase, Google Cloud*
- A website that utilizes local CCTV feeds to perform imagery and weather analysis, enabling real-time monitoring of road conditions for commuters.
- Led the frontend UI/UX development and integrated Google Maps Platform API to allow users to click and view feeds.

TECHNICAL SKILLS

Languages : JavaScript, TypeScript, Python, C/C++, Go, HTML, CSS
Frameworks : React.js, Next.js, Svelte, Astro, Vue.js, Tailwind CSS
Platforms : GitHub, Git, Amazon Web Services, Google Cloud, Vercel, Cloudflare

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

KJHK 90.7 FM   **May 2023 – Present**
Cabinet Member   *The University of Kansas*
- Led an internal initiative to address technical challenges, enhance documentation for software and infrastructure.
- Conducted station-wide interviews, fostering team growth beyond technical duties at KJHK 90.7 FM.

Association for Computing Machinery   **May 2023 – Present**
Web Manager   *The University of Kansas*
- Executed regular website updates to ensure accurate and current data, maintaining the relevance of information.
- Initiated a website redesign project to improve user experience by updating UI/UX to be more modern.