

David Williams-Haven

Web Developer

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Experience

Data Manager (August 2017 – Present)

California Locating Services

- Implemented initiatives to enhance operational efficiency, safety protocols, and compliance.
- Optimized App Sheets app for managing job workflows and safety forms, boosting productivity.
- Developed a streamlined purchase order system for efficient material and equipment acquisition.
- Co-led a team in creating hazard analysis forms and integrated in-app inspection checklists, promoting a robust safety culture.
- Managed safety documentation for 50 employees, including Safety Data Sheets, vehicle hazard analyses, jobsite hazard analyses, and toolbox meeting forms.
- Facilitated public relations and managed bid proposal deliveries between the city clerk's office and the company.

Projects

BeetHive: A Feature-Rich Music Streaming App

Inspired by Spotify, BeetHive offers users a vast library of music, podcasts, and other audio content. To cater to diverse preferences, the app utilizes a freemium model with seamless subscription management powered by Stripe integration.

Key Features:

- **User Accounts and Profiles:** Users can create personalized accounts to save favorite songs and curate playlists for an enhanced listening experience.
- **Intuitive Music Player:** A robust music player with playback controls was integrated, granting users full control over their listening experience.
- **Streamlined Favoriting:** Users can now easily save their favorite songs for quick access and future enjoyment with the implemented favoriting functionality.
- **Seamless Subscription Management:** Stripe integration facilitates a smooth subscription process, allowing users to upgrade to the premium tier for an ad-free and feature-rich experience.

Genius: An AI-powered Development Assistant

Genius is an AI-powered Software-as-a-Service (SaaS) application I designed specifically for coders. It leverages cutting-edge AI models to streamline the development process.

- **Code Generation and Conversation:** Genius utilizes GPT-LLM, allowing coders to have natural language conversations and generate code snippets, boosting their productivity.
- **Creative Asset Generation:** I integrated Dalle for image generation, Riffusion for music creation, and Anotherjesse for short video production, empowering developers to craft unique multimedia assets directly within the platform.
- **Secure user experience:** I implemented Authjs for robust authentication functionalities.

Professional Summary

I'm a motivated web developer with a strong foundation in computer science. I have hands-on experience building web applications using Node.js and Python web servers. I'm eager to leverage my full-stack development skills and contribute to innovative projects that utilize the latest technologies.

Education

California State University, Fullerton, CA

B.S. Computer Science, Minor in Japanese (2017 – 2019)

Skills & Software

Frontend Development

- **Languages:** JavaScript, TypeScript
- **Frameworks and Libraries:** React, Next.js, Three.js, React-Three-Fiber
- **Markup and Styling:** HTML, CSS, Tailwind CSS
- **Design and Visualization:** Spline, Figma, Blender
- **State Management:** Redux, Context API, Zustand

Backend Development

- **Languages:** Node.js, Python
- **Frameworks:** Express, Flask, Django, Django Rest Framework
- **Database and ORM:** Prisma, Drizzle, SQL
- **API Development:** REST APIs, GraphQL, TRPC
- **Authentication:** Auth.js, OAuth2

DevOps

- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Services and Tools:** EC2, S3 Buckets, Lightsail, API Gateway, Lambda
- **Containerization:** Docker
- **CI/CD:** GitHub Actions, GitLab CI
- **Testing:** Jest, Cypress
- **SDKs:** AWS SDK