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PROJECTS

[\(view all projects on my GitHub\)](#)

Categories.LIVE — Vue.js + Express.js + Socket.IO + GPT-4

(November 2023)

- Developed a **real-time multiplayer game** using Vue.js & Express.js.
- Utilized Socket.IO to manage **live, bi-directional communication** between web clients and servers.
- Integrated OpenAI's GPT-4 to validate user entries, enhancing the gameplay with AI-powered features.

Revenue Generating Website — GatsbyJS → Wordpress

(2020 - Present)

- Created a **website that has reached over 3.5 million users** to-date.
- Publisher with Mediavine, the largest exclusive ad management company in the U.S.
- Generates over **\$100,000 in revenue per year** through Mediavine, Amazon, and various partners.

ECHO for Spotify — Python/Django + JavaScript/React

(July 2023 - Sept 2023)

- Developed a **website for users to visualize Spotify listening history** & habits with friends.
- Built with **Django + Django REST Framework** as backend & **React** as a web frontend.

Android/iOS Food Truck Finder App — Python + Flutter

(July 2021)

- Developed an **app for food truck owners to manage menus & display their live location** to customers.
- Built with **Django + Django REST Framework** as backend & **Flutter** as a frontend for Android/iOS.

Internet Relay (IRC) Server — Java

(July 2023 - Aug 2023)

- Developed an **open source IRC server based on the RFC 1459 & RFC 2812** specification.
- Utilizes a **multi-threaded server architecture** to handle multiple client connections simultaneously.
- Integrated error handling and exception management to ensure server resilience and stability.
- Supported core IRC features such as channels, private messages, nicknames, and user modes.

SEO Consulting / Website Development

(July 2023 - Nov 2023)

- Developed **websites for small businesses** for a focus on converting traffic into customers.
- Optimized websites for speed, SEO, and higher conversion rates.
- Executed SEO strategies that **improved search engine rankings** and organic traffic.
- Automated business operations via Zapier, boosting process efficiency.

SKILLS

Programming Languages

Python, Java, JavaScript, C++, C, C#, HTML, CSS/SCSS, SQL, Dart, Go, PHP, Swift

Web & Mobile Development

React, Vue, Bootstrap, Flutter, React Native, SwiftUI, GatsbyJS, Hugo, Redux

Backend Technologies

Django, Django REST Framework, Express.js, Socket.IO, WebSockets, Node.js, Flask

Database & Cloud Services

Google Cloud Platform, AWS, Firebase, Heroku, Linode, DigitalOcean, Cloudflare, Netlify, Render

Data & Testing

pandas, REST API Design, GraphQL, JSON, XML, TDD, Google Analytics, Matplotlib

Development Tools

git, Docker, Linux, vim, npm/yarn/bun, Google Tag Manager, Zapier