

Josh Thomas

31 Lon-Yr-Ysgol, Bedwas, Caerphilly CF83 8PE
07902598774
joshua.thomas98@hotmail.co.uk

Summary

A driven and enthusiastic Junior Software Engineer with two years of freelance experience creating websites, web apps and mobile apps, proficient in JavaScript, React, React Native, Node.js, Python, Django, and AWS, with a strong focus on building scalable, responsive, and user-centric solutions.

I have been working with local businesses to help enhance the customer journey through building fully functional websites, complemented by the development of GigSweep, a full stack web and mobile application designed as a social media style platform for connecting artists and venues in the live music industry.

Technical Skills

Languages: JavaScript (React, React Native (Expo), Node.JS / Express.JS, JSX), Python / Django

Others: AI, OpenAI, Redux Toolkit, Context API, Bootstrap/React Bootstrap, Chakra UI, MySQL, MongoDB, AWS (S3, CloudFront, EC2, ElasticBeanstalk, Amplify, Lambda), Vercel, Hostinger

Experience

Freelance Web Developer – May 2022 to Present

Working closely with clients to gather requirements and refine designs, I developed fully responsive, custom web applications for several local businesses. These included an AdBlue removal company, a gym, and a tree surgeon business, each tailored to their unique branding and functional requirements. Technologies used included JavaScript React, Bootstrap, WordPress and were hosted with Hostinger.

Acorn Digital (part time whilst at University and in the band) 2018 to 2021

Provided basic admin duties such as raising invoices and ensuring that payments were made on time. I also started to get involved in website build and maintenance using Wordpress and basic HTML.

Projects

GigSweep — Full-Stack Web and Mobile Application for the Live Music Industry

Description: A platform connecting musicians and venues, featuring artist and venue profiles, the ability to search for, book, and manage gigs, and AI-driven review moderation.

Key features include:

- Artist profiles with details like genre, location, availability, upcoming gigs, and reviews
- Gig management for artists to post or pick up gigs and venues to book bands using advanced filters
- AI-driven review moderation using Google Perspective API to ensure a positive platform environment
- Pro tier accounts for additional features and premium functionality

Tech Stack:

- **Frontend:** React, React Bootstrap
- **Backend:** Node.js/Express.js (initially Python/Django but replaced)
- **Database:** MongoDB (initially MySQL but replaced)
- **Mobile:** React Native (fully functional cross-platform app with all web features)

- **Deployment:** AWS (Elastic Beanstalk, S3, CloudFront)

CV Tailor — AI-Powered Platform that can tailor a CV to an advertised role

A web application that allows users to create an account and upload a PDF version of their CV. The app enables users to copy and paste text from an online job advert, which is then processed using OpenAI's completions API (text-Davinci-003) to tailor the CV for the specific role. The AI adjusts the content to better align with the job description, optimising the CV without introducing any skills or experiences that aren't already present in the original document.

Phase 2 (Planned):

Implement a Chrome extension that will add a button to automatically "scrape" the contents of a job listing from the current page. This will remove the need for users to manually copy and paste job descriptions, streamlining the process by sending the scraped data directly to the AI for CV optimisation.

Tech Stack: JavaScript, React, React Bootstrap, Node.js, Express, OpenAI's gpt-3.5-turbo-instruct model, Puppeteer.

Melody Maestro — AI-Powered Music Recommendation Platform

Description: A web app that takes user input about artists they enjoy and provides music recommendations for similar artists using OpenAI's completions API.

Tech Stack: React, Vite, Chakra UI, AWS

Qualifications

University of South Wales:

2019 Bachelor of Science in Popular Music Technology

2020 Master of Arts in Songwriting and Production

Interests

Technology: I have a passion for learning new technologies and understanding how they can be used to provide solutions to problems. I am currently exploring AI and the many opportunities that it may bring.

Travel: I enjoy travelling to different countries and experiencing different cultures.

Sport: I enjoy lifting and training with weights. I attend the gym as often as possible, usually 4 times per week.

Relaxation: I used to be in a rock band, travelling the country to play at festivals and other venues. I am no longer in the band but enjoy playing the guitar and often deputise for guitarists in bands for specific gigs from time to time.