

BEN HAMMOND

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SOFTWARE ENGINEER

Enthusiastic developer with 15+ yrs running a tech-forward music business. Committed to improving quality of life for myself and others through lifelong learning, meaningful collaboration, and better code.

SELECTED PROJECTS

Gigboard

- Fullstack marketplace app for short-term gigs, built with MongoDB, Express.js, React and Node (MERN)
- Model-View-Controller (MVC) design pattern for code readability and separation of concerns
- Custom API for communication between the frontend and backend Axios with HTTP requests; consumes a public weather API to display each gig location's current temp
- CRUD functionality restricted per user status; offers users a custom encrypted account registration process or a secure login via Google OAuth
- Personally project managed 6 person team, utilizing GitHub's integrated scrum board to track user stories and create milestones; to file, assign and close issues; and to minimize merge conflicts
- Wrote 3 technical blog posts assisting team with individual deployments, solving issues with environmental variables in development vs production, and problematic file paths and build commands
- Contributed to features across the JavaScript stack: scaffolding and building out functional React components; dynamic searching and responsive styling, incorporating `useEffect()` and `useState()` hooks for proper state management and asynchronous side-effects; assisting in implementation of JWT for authentication and authorization; and configuring and deploying our shared database

GigUploader

- Command-line script using BeautifulSoup and Selenium libraries to improve unrelated web services
- Self-taught GitHub and basics, file i/o, email generation, and web-scraping.
- Coded on my own years before attending boot camp as a tool to save time while exploring code; taught myself Python and web-scraping basics; expanded the script to optionally service 4 different sites

SKILLS

JavaScript (React, Node/Express), HTML/CSS, Python, MongoDB, SQL, Git/GitHub; Problem Solving, Team Collaboration, Leadership, Music Theory and Performance, Content Production (Blogging, Digital Media)

PROFESSIONAL EXPERIENCE

Ben Hammond Music | Owner Artist, 2006-Current

- Doubled project fees, maintained 5-star reviews by implementing cloud-based project management software and extending functionality by developing custom Python tooling
- Customized modular hardware, 30%-100% increasing performance fees and saving clients up to 50%
- Contracted 3,000+ paid shows in 29 states and 9 countries, including at the Montreal Jazz Fest, for the Baltimore Orioles, and with members of Jimmy Buffett's Coral Reefers
- Exhibited excellent communication and team leadership producing 3 albums, selling 14k+ discs
- Cultivated opt-in email list and social media presence with over 10k followers and 175k Youtube views
- Pivoted to streaming during COVID, accruing 20k views and exceeding normal hourly earnings by integrating virtual tip jars. Resulted in an 8 week contract for SketchUp's virtual conference

DEVELOPER EXPERIENCE

Freelancing | Web Development and Multimedia

- 17 yrs building websites, creating and showcasing dynamic client details and embedded media
- Obtained over a dozen paying clients by referrals, for many creating their first-ever online presence

EDUCATION

General Assembly | Software Engineering Immersive, Full-Stack (*enrolled through May 2021*)

- 480 hr remote, intensive certificate program in JavaScript (React), Python, and MVC design patterns

McGill University, Montreal, QC Canada | Bachelor of Music, Honours in Music Technology

- Foundational Comp. Sci. coursework in C++, Java, Data Structures/Algorithms, big(O) notation