Ben Hammond

Software Engineer - Full Stack Developer

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PROFESSIONAL EXPERIENCE

Software Engineer | Morehouse School of Medicine, Satcher Health Leadership Institute (Jul '21-Current)
- Identify new data sources for the tracker by working across disciplines with the senior developer, product manager, SHLI leadership, and policymakers
- Ideate, build and launch new features to better serve the needs of users; ensure that the tracker is usable, accessible, and reliable
- Communicate with Google.org team to finalize project handoff and prioritize of outstanding issues

Owner and Professional Musician | Ben Hammond Music ('06-Current)
- Doubled project fees, maintained 5-star reviews by implementing cloud-based management software
- 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 ongoing contracts for SketchUp's virtual international conferences

Freelance Web Developer ('04-Current)
- 17 yrs building websites, showcasing dynamic client details and embedded media for multiple clients
- Created custom Python command-line interfaces (CLI) using BeautifulSoup and Selenium to extend 3rd-party web services, automating repetitive business tasks and saving user an average of 5 hrs/week

SELECTED PROJECTS

Little Cabin (May '21)
- Python (Django) service offering secure property management tools and tiered permissions for users
- Syncs consensus-based scheduling with Google Calendar API using a Google Cloud Platform service account; Heroku deployment required customized configuration to generate required credentials file
- PostgreSQL database via Django ORM; AWS integration allows group restricted user-uploaded images
- Displays weather via custom template tags; methods fetching external APIs have automated unit tests
- Prioritizes responsive design with media queries and CSS variables; persistent dark mode toggle selection

Gigboard (Mar '21)
- JavaScript app for finding gig-work opportunities; built using MERN stack (MongoDB, Express, React, Node)
- CRUD via RESTful API, restricted per user status; custom encrypted registration and Google OAuth
- Personally contributed across the stack: scaffolding functional React components; dynamic searching, useState() and useEffect() hooks for state management and side-effects; assisted with JWT process
- Project-managed team of 6, utilizing GitHub's agile board to track user stories, delegate issues, and minimize merge conflicts. Received the highest possible score on the anonymous post-project peer reviews
- Wrote 3 technical posts, assisting team members with deployments and environmental variables; provided hands-on assistance on multiple occasions and helped instructor solve another team's bug

EDUCATION

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

COURSES AND CERTIFICATES

Advanced React + GraphQL | Next.js, Keystone.js, Jest + React Testing Library (22 hrs, currently completing)

General Assembly | Software Engineering Immersive, Full-Stack (420 hrs, Fully Remote; Nov '20 - May '21)

SKILLS

JavaScript (React, Node, TypeScript), HTML, CSS, Git, GitHub, Heroku, Python, Unit Testing, MySQL, NoSQL