James Hearn

*Software engineer with a focus on building
engaging and innovative digital experiences*

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Profile

Resilient Learner and Innovative Thinker

Software engineer with a robust understanding of full-stack development, who loves designing and building innovative solutions to complex problems. With a proven track record in identifying market gaps and creating monetisable solutions, I have empowered myself and my peers to generate income independently. Bringing six years of entrepreneurial experience and a keen analytical mind, I am eager to transition into a mission-driven team where I can further excel as a collaborative and creative problem solver, leveraging my business acumen and technical skills to drive impactful projects.

Education

WCG Leamington: IT Level 3 Extended Diploma:
Computer Programming, Business Applications, Cisco Networking
Grade: Distinction Distinction Merit
Additional Activities: Genius Group
2013-2015

GCSE Qualifications:
13+ GCSEs Including Maths, English and Science
Ranging from 6-9

Professional Experience

School of Code - *Bootcamp to take you from zero knowledge to full-stack developer in 16 weeks*

Bootcamper - *January 2024 - June 2024*
- Engineered full-stack TypeScript applications using a range of tech, including Node.js, Next.js, Express, React, and PostgreSQL
- Utilised agile methodologies to collaborate in teams to ideate, design and build products, demoing them to industry experts
- Enhanced team efficiency and problem-solving skills through active participation in pair programming exercises
- Introduced and championed version control systems and tools such as Git, GitHub Projects and GitHub Issues to enhance collaboration
- Advocated for development best practices including testing, documentation, accessibility and semantic code
- Automated segments of CI/CD pipelines, including auto linting, auto deployment with Vercel and vulnerability scanning with Snyk

Community Involvement
- Provided 1:1 support sessions to peers, helping debug code, explain concepts, and improve computational thinking skills
- Partook in application process vetting procedures, providing critical assessments on potential future bootcamp candidates
- Cultivated a thriving network within the technology sector, engaging with industry professionals and companies
- Assisted coaches with organised feedback stand ups, discussing important course topics
- Re-factored the official community Discord to improve organisation and permission security, increasing community interaction

Modit - *Monetisation platform for developers and creatives in the video game space*

Director - *February 2018 - February 2023*
- Spearheaded the end-to-end product design process, from conceptualising innovative product ideas to defining detailed workflow strategies for product functionality and user journey
- Orchestrated the user experience and interface design, focusing on usability and aesthetics to enhance customer engagement and satisfaction
- Produced comprehensive marketing materials, including video content, banners, and product imagery using advanced Adobe Suite tools (After Effects, Photoshop, Illustrator)
- Launched and managed effective Google Ads campaigns, driving product awareness and customer acquisition
- Executed targeted email marketing campaigns via Shopify, cultivating customer relationships and fostering brand loyalty
- Devised and implemented creative marketing strategies, leveraging current trends to elevate brand presence and marketability
- Acquired proficiency in Shopify's Liquid templating language and employed JavaScript for DOM manipulation and API integrations, enhancing site functionality and user experience
- Applied SASS/CSS to deliver polished and responsive designs, ensuring cross-platform compatibility and a superior visual narrative
- Planned and Initiated the development of diverse payment systems, integrating platforms like Rapyd, PayPal, Adyen, and Stripe
- Managed the full spectrum of Shopify backend operations, including analytics, product listings, and application management, to streamline business processes and insights
- Led a team of 32 international developers, facilitating product readiness, community engagement, developer collaboration and feature updates, by utilising tools such as trello, thereby fostering a collaborative and productive work environment.
- Hosted and moderated a vibrant Discord community, delivering content ranging from current situational discussions to coding tutorials, and engaging members through regular events and giveaways.
- Provided comprehensive customer support, ensuring high satisfaction rates and strengthening client relationships across all developer platforms.

Career Break

Full-time Father - *January 2017 - July 2018*
- Explored University, studying Multimedia Computing, but found I wasn't getting enough value out of it
- Prioritised familial commitments by taking a year out to raise my son full time whilst my wife continued working, providing me an incredibly rewarding way to work on personal development in the form of organisational skills and personal resilience
- Contributed to open source projects, offering design and graphical work, as well as minor code implementation
- Identified a problem within the community I contributed to and seized initiative to address it, leading to the establishment of ModIT
- Concluded months of ideating, designing, planning, and finally creating the first concept of Modit

Eclipse Computers - *Local computer store specialised in current computer hardware and gaming*

Computer Systems Consultant - *April 2015 - June 2016*
- Transformed my passion for building computers into a career starter, heading the front of house team at my local computer store
- Maintained customer relations with commercial clients, meeting their specific requirements with large budget, multi system builds
- Specialised in customising and selling high-spec systems while also managing system services for repairs and upgrades
- Assisted in inventory management with the warehouse team, relaying crucial stock information and organising warehouse layout
- Negotiated potential product deals along-side the purchasing manager to keep with current technology trends
- Ensured accurate daily financial reconciliation with physical and digital sales in order to maintain financial integrity
- Fostered community engagement and customer loyalty through hosting competitive gaming events and giveaways

Interests

Creative writing, Design and Video Games

My younger years were filled with video games, from tinkering with arcade machines with my dad when I was a kid, to playing almost every evolution of video game console and computer available as I was growing up. In more recent years, whilst I still enjoy playing video games, I've found a way to bridge my two main interests into one with DND. Dungeons and Dragons allows me to explore my creative writing in character and world design, whilst also preparing those characters to be played in an infinitely expansive universe of combat and role-play.

Skills/Technologies

Languages
TypeScript, JavaScript, HTML, CSS, SASS, Liquid, Python, Lua

Front End
React, Next.js, Vite, Tailwind CSS, Material UI

Back End
Node, Express, PostgreSQL, Supabase, Postman, AWS, REST, Docker

Testing
Jest, Vitest, Chai, Playwright, Supertest

CI/CD and Platforms
Vercel, Git, Github; Projects, Issues, Actions & Hooks

Design
Figma, UI/UX Design Principles, Wireframing, Adobe Suite; After Effects, Photoshop, etc, ERD's (UML)

Selected Projects

Project 1:
Insert link here

Project 2:
Insert link here