Hi! I'm

MAX JACOBY

Capable, curious and creative, I have the tenacity to solve (almost) any problem. Being knee deep in the unknown is when I'm happiest - learning as I go and engineering functional solutions to emerge triumphant.

Between my product design background and my array of technical skills and hobbies, I have an innate understanding of how complex systems work. From industrial grade lab equipment and hyper-converged infrastructure, to custom built sound systems - I dabble in everything, and fit in anywhere.

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/MAXWJACOBY

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EDUCATION & QUALIFICATIONS

- Loughborough University, Product Design and Technology BSc (2:1)
- Bishop's Stortford College, 10 GCSEs, 3 A Levels
- Full UK Drivers License

WORK & EXPERIENCE

- 2023-24   Full Stack Developer & Sysadmin at Tom Dick & Harry
- 2022-24   Audio Engineer at Flint & Steel Sound System
- 2022   Event Crew at Alpha Crew
- 2021-24   Mixologist & Waiter at 17 Duke Street, Padstow
- 2019-20   Freelance Product Visualizer
- 2019   Interim Technical Manager at Leo Price Theatre

HARD SKILLS

- On-prem & hybrid cloud hyper-converged infrastructure design.
- Containerised HA software deployments in Docker and Kubernetes.
- Full stack skills, ranging from UI/UX to backend performance tuning and deploying self hosted, spam free email systems.
- Competency with Linux, Windows and OSX.
- Experience with Python, C and Bash, RESTful APIs.
- System administration, maintenance and troubleshooting.
- Power tool competency, comfort on ladders, physical installations, RJ45 termination and general practical skills.
- Repair skills: upgrading and replacing components in Apple products, PCs and enterprise server hardware (Dell Poweredge series).
- Content creation - media shooting, editing & optimisation for web.
- Experience with Google Analytics, Ads, Merchant Center & SEO.
- Efficient and proficient in using GPTs/LLMs for accelerated work.
- Communicating ideas effectively via sketching & excellent english.
- Adept in 3D & 2D CAD software, Adobe Suite and Product Visualisation.

SOFT SKILLS

- **Fast Learner** - I can be highly independent, teaching myself anything required to complete the task at hand.
- **Calm under pressure** - I've learnt that panic during a crisis is non-constructive. Under high stress I can keep a level head, prioritise actions and find solutions to minimise impact. This naturally extends to ensuring uptime for my IT services when things go awry, and I thrive in identifying and fixing problems - on my laptop and in the field.
- **Interpersonal** - Polite and well-spoken, I'm adept at dealing with clients and easy to get on with.
- **Team Skills** - I appreciate the value of both leading and following in a team. Being comfortable in both roles, I understand it's essential to know when to listen, and when to speak. My time in events relied on following instruction with unity and vigilance for the safety of all - and speaking up if you see danger. Conversely, when I was elected to lead the majority of team projects at University, I effectively applied different personal strengths to accomplish a goal - while hearing concerns, debating alternatives and incorporating them when advantageous.
- **Meticulous** - I have a keen eye for detail, and work tirelessly to know my task is done well. I strive for perfection in everything I do, while also knowing when to finish up and move on.
- **Comfort on Camera** - I'm confident talking to a camera and make educational videos about my hobbies for fun. I'm adept at explaining complex topics in fun easy to understand terms, which my viewers genuinely enjoy.

PROJECTS & INTERESTS

- Consider taking a look at my website, **errantminds.net**, for a full overview of my work.
- My BSc in design is a extension of my natural penchant for making. From designing and building a wireless festival speaker protection system, to 3D printing widgets to stop my window slamming in the wind, I love the combination of problem solving and elegance that design affords, and enjoy applying those skills to everyday life.
- Before my role as full stack developer, I taught myself how to set up, manage and maintain servers of all kinds by building a Homelab. I've explored most traditional hardware defined systems, and over time optimised and converged my topology to be more efficient, adaptable and powerful. I've managed to experience most open source software like ZFS, Ceph, GlusterFS, Docker, Kubernetes, QEMU, Citrix, and even VMware ESXi - just to name a few.
- Thanks to my homelab, I can play around with local LLMs in my spare time. When ChatGPT3 released I immediately downloaded GPT-J 6B and made my own chatbot in python, creating my own API for the model and storing responses in a SQL database. More recently, I've coded a vocal note taking program using the Whisper STT model to automatically transcribe, summarise (using Llama) and store in my personal knowledge base using Trilium Notes' API.
- Having found my speciality in Audio Engineering during my theatrical stint, I pursued my passion and built a custom 8,000W touring Sound System from scratch. I hire it out to raves music events in my spare time under my own brand: Flint & Steel Sound. A large task which required much research and planning to executre well.