

OZAIR GHOGHA

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Results-driven Computer Systems Engineer with many years of expertise in designing and implementing networks, custom bespoke systems, and IT consultation services. Eager to propel my career into networking and cloud technologies, backed by a track record of successful projects, several of which are showcased on my [website](#). I hold a Bachelor's degree with Honours in Computer Science, along with Microsoft AI/ML and CCNA certifications. Actively pursuing additional certifications in the Microsoft Azure and AWS domains to further enhance my skill set.

EXPERIENCE

Computer Systems Engineer

Greater Manchester Area

TechSpert

May 2019 – Aug 2023

- Designed and built 50+ projects, computer systems and networks, improving infrastructure and enhancing client productivity significantly.
- Proficient in the installation and configuration of various operating systems, including Windows and Linux, with a keen eye for system optimisation in both UEFI BIOS and OS.
- Thoroughly stress-tested systems to ensure full functionality under heavy load using tools such as Prime95, FurMark, 3D Mark, MemTest86+, AIDA64, etc while monitoring system vitals such as temperatures, voltages and load percentages.
- Guided clients through intricate technology decisions, leveraging extensive knowledge to provide tailored recommendations.
- Diagnosed and resolved hardware and software issues, saving clients thousands of pounds by avoiding replacement expenses.

Project Manager & Lead Software Engineer

Salford, Manchester

Hack Camp

Dec 2021 – Feb 2022

- Designed, developed and documented a successful web app system for **Fanatics**, a leading online retailer of sports merchandise, using HTML, CSS, MySQL, JavaScript, PHP and Bootstrap.
- Led a team of four developers and coordinated tasks, deadlines, testing and deployment using GitHub, Microsoft Teams and Trello.
- Actively engaged with clients through regular meetings and demos to gather feedback, refine project requirements, and ensure alignment with their goals.
- Ensured the quality, security and performance of the web app system by following Agiles' best practices, writing clean code and conducting unit tests and code reviews.

PROJECTS

Cloud Portfolio Website - [AWS Demo](#) | [Vercel Deployment](#)

Jul 2023 - Aug 2023

- Created a responsive and interactive website using Next.js, Tailwind CSS, Framer Motion and React to showcase projects and skills.
- Implemented a CI/CD pipeline to automate the testing and deployment of the website code using GitHub and AWS Amplify.
- Leveraged various AWS services to host, secure, monitor and optimise the website performance, such as Amplify, Docker, S3, EC2, Lambda, CloudFront, Route53, IAM, CloudWatch and Synthetic Canaries.

Homelab Server - [Build Writeup](#) | [Docker App Setups](#)

Aug 2022 - Apr 2023

- Built a stable, low-power homelab server using enterprise grade hardware such as an Intel Xeon CPU and Seagate Exos drives.
- Established a data redundancy and caching system with Parity and an SSD, resulting in a 10x increase in read/write speeds.
- Installed and configured over 30 Docker containers for services such as Plex, Redis Database, Paperless, VaultWarden, etc.
- Leveraged virtualisation for Windows and Linux environments, optimising usability by setting up hardware passthrough.
- Created DDoS-protected game hosting for popular titles like Minecraft and ARK, accommodating hundreds of players.
- Safely hosted web applications by implementing techniques like Reverse Proxying (using NGINX) and Cloudflare Tunneling for end-to-end client-server encryption.
- Implemented Tailscale (WireGuard) for secure, remote access from anywhere globally, enabling exit node functionality.
- Utilised cloud-based storage services such as AWS S3 and Backblaze B2 for automated backup and data storage using scripts.
- Configured DNS level advert and tracker blocking for all devices on the network, resulting in a safer browsing experience.

EDUCATION

Bachelor of Science with Honours in Computer Science

Salford, Manchester

The University of Salford

Sep 2020 - May 2023

- Experience using Java, JavaScript, HTML, CSS, MySQL, Bash (scripting), Powershell, JSON, C++, Swift, Kotlin, PHP, virtualisation of Linux (Kali, Ubuntu, Mint).
- Final Year Project creating an interactive driving simulator utilising photogrammetry techniques produced with Unreal Engine, C++, Blender, RealityCapture, Adobe Creative Cloud and DJI Drones.

CERTIFICATIONS

- [Cisco Certified Network Associate \(CCNA\) 200-301](#)
- [Microsoft AI Skills Challenge \(AI & ML\)](#)
- AWS Certified Solutions Architect Associate SAA-C03 [Estimated Q4 2023]