

OZAIR GHOGHA

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Results-driven Computer Systems Engineer with 7 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 2016 – 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]