OZAIR GHOGHA

Greater Manchester, UK | ozairghogha.com

Qualification Profile

Analytical and innovative professional with a solid foundation in modern networking concepts and cloud platforms. Equipped with hands-on experience in designing, configuring, and troubleshooting network systems, combined with a keen understanding of cloud services, such as AWS, Azure, and GCP. Demonstrated proficiency in automating tasks, optimising infrastructure, and implementing security best practices. Committed to leveraging cloud-based solutions to drive operational efficiency, scalability, and business continuity. Eager to contribute to an organisation to facilitate seamless network and cloud integrations.

CORE PROFICIENCIES

Project Support | Network Configuration | System Administration | Technical Planning | Infrastructure Monitoring | Decision Making | Cloud Computing | Programming |

Process Improvement | Time Management | Relationship Building | Problems Resolution | Analytical Thinking | Punctuality

PROFESSIONAL EXPERIENCE

Computer Systems Engineer   Jan 2021 to Aug 2023
TechSpert

- Coordinated the design and implementation of over 50 IT projects for enhancing infrastructure and boosting client productivity substantially via team collaboration.
- Used expertise in the deployment and tuning of various operating systems, including Windows and Linux, while also achieving a 15% uplift in performance through UEFI BIOS and OS optimisation.
- Conducted comprehensive stress tests on systems using tools, such as Prime95, FurMark, and AIDA64 to ensure peak performance and 100% stability under strenuous conditions.
- Advised clients on complex technological choices by drawing on in-depth knowledge to deliver recommendations that resulted in up to a 40% cost reduction.
- Troubleshot and rectified both hardware and software malfunctions to save clients substantial amounts by preventing unnecessary replacements.
- Monitored vital system parameters like temperatures and voltages to ensure optimal and stable system operations.

Fanatics (Hack Camp)   Dec 2021 to Feb 2022
Lead Software Engineer

- Engineered a robust web app for Fanatics, a premier sports merchandise e-retailer by using technologies like HTML, CSS, MySQL, JavaScript, PHP, and Bootstrap.

- Led a team of four developers to streamline task coordination, deadlines, and deployment via GitHub, Microsoft Teams, and Trello that resulted in a 20% acceleration in project completion.
- Established consistent communication with stakeholders through frequent meetings and demonstrations, while also enabling a 50% reduction in change requests by aligning closely with client objectives.
- Maintained superior app quality by adhering to Agile methodologies, delivering clean code, and conducting rigorous unit tests and code reviews.
- Enhanced system security by identifying and rectifying vulnerabilities for a 90% decrease in potential security threats.
- Optimised system efficiency with 50% reduction in app bandwidth consumption, while ensuring faster user experiences.

Project Experience:

- **Cloud Portfolio Website-** [AWS Demo](#) | [Vercel Deployment](#); *Designed and launched a responsive, interactive portfolio website using Next.Js, Tailwind CSS, Framer Motion, and React; integrated a CI/CD pipeline with GitHub and AWS Amplify to automate testing and deployment, reducing deployment time by 60%. Additionally, utilised a suite of AWS services including Amplify, ECS, Docker, S3, EC2, Lambda, Route53 and more to ensure optimal website performance and a 99.95% uptime.*

- **Home Lab Server-** [Build Writeup](#) | [Docker App Setups](#); *Constructed a high-efficiency Home Lab server, achieving a 70% power reduction from previous iterations using enterprise-grade hardware. Integrated a redundancy system with Parity and SSD, enhancing read/write speeds tenfold. Optimised resources by configuring 30+ Docker containers, resulting in 80% less consumption than VMs, and harnessed virtualisation with hardware passthrough for both Windows and Linux. Provided DDoS-protected game hosting for titles like Minecraft, ARK and Valheim supporting 100+ players, while ensuring web application security through techniques like NGINX reverse proxying and Cloudflare tunnelling with SSL/TLS. Enabled secure global VPN access with Tailscale, ensured data reliability at 99.99% with automated cloud backups, and bolstered network security by blocking 90% of ads and trackers at the DNS level.*

- **Photogrammetrically Built Driving Simulator-** [Article](#); *Developed an immersive driving simulator using Unreal Engine, C++, Blender, RealityCapture, Adobe Creative Cloud, and DJI Drones. Processed over 10,000 drone photographs from various angles to generate a high-resolution 3D mesh of the real world. Produced a realistic vehicle model with physics and animations using Blender and Unreal Engine, while user input was implemented for keyboards, mice, steering wheels, and pedals to provide an authentic driving experience.*

EDUCATION & CREDENTIALS

Bachelor of Science with Honours in Computer Science, *Graduated 2023*
The University of Salford

Cisco Certified Network Associate (CCNA) 200-301

Microsoft AI Skills Challenge (AI & ML)

AWS Certified Solutions Architect Associate SAA-C03 [Estimated Oct 2023]