OZAIR GHOGHA

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Results-driven Computer Systems Engineer with 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**
TechSpert   **Jan 2021 – Aug 2023**
- Designed and implemented 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 resulting in a 15% average increase in overall performance.
- 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 and voltages ensuring 100% stability.
- Guided clients through intricate technology decisions, leveraging extensive knowledge to provide tailored recommendations reducing cost by up to 40%.
- 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 allowing for a 20% reduction in project delivery time.
- Actively engaged with clients through regular meetings and demos to gather feedback, refine project requirements, and ensure alignment with their goals resulting in a 50% decrease in change requests.
- 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 decreasing security vulnerabilities by 90% and app bandwidth required by 50%.

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.
- Implemented a CI/CD pipeline to automate the testing and deployment of the website code using GitHub and AWS Amplify minimising deployment time by over 60%.
- 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 ensuring a 99.95% uptime.

Homelab Server - Build Writeup | Docker App Setups   **Aug 2022 - Apr 2023**
- Built a stable, low-power homelab server using enterprise grade hardware resulting in a 70% decrease in power consumption.
- 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 individual Docker containers translating into 80% less resource usage compared to a VM.
- 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 100+ simultaneous players.
- Safely hosted web applications by implementing techniques like Reverse Proxying (using NGINX) and Cloudflare Tunneling for end-to-end client-server encryption with SSL/TLS Certificates.
- Implemented Tailscale (WireGuard) for secure, remote VPN access from anywhere globally, enabling exit node functionality.
- Utilised cloud-based storage services for automated appdata backup storage using scripts boosting data reliability to 99.99%.
- Configured DNS level advert and tracker blocking for all devices on the network, resulting in 25% total sinkholed traffic.

EDUCATION

Bachelor of Science with Honours in Computer Science   **Salford, Manchester**
The University of Salford - Final Year Project Writeup   **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]