SAIRA HASSAN
CPSA/CRT | AZ900 AZ500 | OWASP MANCHESTER CHAPTER LEADER

saira-h

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EXPERIENCE

SECURITY CONSULTANT • NCC GROUP • SEPT 2019 – SEPT 2020, NOV 2021 – PRESENT

- Performed **web**, **infrastructure, cloud, devSecOps, and threat modelling** assessments - delivering reports with tailored and actionable advice to clients.
- Researched and developed a vulnerability scanner for Windows **Docker** containers in **Python**, automating the docker review process and saving time on Docker vulnerability assessments.
- Researched cloud **Kubernetes** offerings (**AKS**, **GKE**, **EKS**) and developed testing methodologies.
- Deployed and secured custom servers in **AWS** and **Azure** according to client requirements, automating this process to save time.
- Lead tabletop **threat modelling** exercises with clients, ranging from developers to C-suite.
- Mentored and trained junior consultants in technical and personal development.

ETHICAL HACKER • GREATER MANCHESTER POLICE • NOV 2020 – NOV 2021

- Performed **web** and **infrastructure** assessments, managing the whole process from scoping to **reporting**.
- Delivered **cybersecurity training** material to SMEs on topics such as **physical security, web** and **network security,** and **risk**. Effectively communicated to both technical and non-technical audiences.

SECURITY ANALYST • NOVACOAST • JUN 2018 – SEPT 2019, SEPT 2020 – JULY 2021

- Monitored and investigated potential breaches in client systems with **Carbon Black**, **LogRhythm,** and **Splunk.**
- Successfully identified network intrusion attempts and privilege escalations.
- Maintained good client relations by cooperating with clients in response to security incidents.

EDUCATION

COMPUTER SCIENCE (1ST CLASS)
UNIVERSITY OF MANCHESTER
JUNE 2021

- **Awards**: UoM Engineering scholarship, awarded for excellent grades and demonstrating passion in my field.
- **Extracurricular**: Committee member of Crackchester, a cybersecurity society. Created links between the society and industry by reaching out to companies and organizing talks, workshops and CTFs with them.

PROJECTS

- **UK Cybersecurity Council:** Partnered with the diversity and outreach programme to design activities that will promote cybersecurity as a career, and improve retention of those in industry.
- **OWASP Manchester chapter lead:** Developed workshops and training material at OWASP events to raise interest in cybersecurity, and network with other cybersecurity companies and professionals.
- **Whalescan**: Developed the first vulnerability scanner for Windows Docker containers - GitHub: nccgroup/Whalescan. Featured on tl;dr sec article.
- **BT Cyber 9/12 UK (Best advisory document):** Analyzed and created policies to deal with complex escalating cyber attacks, and discussed these with key stakeholders.
- **Bug bounty**: Found vulnerabilities in open-source software, and responsibly disclosed to vendor.