

Moiz Kapasi

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SUMMARY

Highly motivated cybersecurity professional with a Bachelor's degree from RIT and experience in both offensive and defensive security. Proven ability to identify vulnerabilities through penetration testing and exploit research, while possessing strong development skills to design and implement secure environments. Experience with red-teaming and blue-teaming tools. Eager to leverage technical skills to work full-time in enhancing cybersecurity postures.

WORK EXPERIENCE

Cybersecurity Associate - Propelex LLC - California, USA

Nov - Dec 2024

- Provided technical support across more than 200+ Palo Alto Firewalls (PA-220/440s).
- Performed Firmware upgrades and Ingress/Egress Policy updates for 100+ Palo Alto Firewalls.
- Assisted in performing a Security Audit on a Microsoft Azure setup.

Cloud Intern - Farz Solutions LLC - Irving, Texas, USA

May - Aug 2024

- Orchestrated a simplified appointment system using Flask on Azure Web Apps and Azure Logic Apps.
- Deployed Kali Linux and Ubuntu VMs which were used to learn basic Attack and Defense in Cybersecurity.
- Performed Front-end Bug-testing to find 8+ significant bugs that kept the web application up to industry standards.

Researcher - RIT - Dubai, UAE

May - Aug 2023

- Researched previous NFC hacking and security papers to create a baseline that launched our project.
- Built testbeds using Raspberry Pi and PN532 NFC RFID modules to research the Application Layer of transactions which added to our baseline knowledge.
- Assisted in performing exploitative tests to find security flaws that could be patched to secure NFC technology further.

UI Programmer/Security Engineer - Someli Marketing & Technology - Dubai, UAE

Jul - Sept 2022

- Developed 3 responsive pages for the registration workflow using HTML, CSS, and Bootstrap which implemented the designs of the UX/UI team.
- Performed a penetration test on the web application to find informational flaws, which were reported and helped the developers tighten the security of the application.

IT Assistant - MSB Private School - Dubai, UAE

Jul - Aug 2021

- Installed and integrated Atera RMM Software on 150+ PCs to help System Admins diagnose & monitor them.
- Configured 200+ IoT Devices across multiple campuses and integrated them to be monitored on Atera RMM Software through the SNMP Protocol.

PROJECTS

Web Application Security Audit

- Recreated the client's web application using their source code to build a local version of the application, so as not to interfere with the production server.
- Determined the use and level of OWASP Application Security Verification Standard used to create a checklist that aided in testing the application.
- Assessed the application using the ASVS checklist to help bring the web application's security up to industry standards.

Persistent Shell (Available on GitHub)

- Coded a malware backdoor that would propagate and persist on a Linux system using Bash.
- Maintained persistence on 3 Linux servers using the malware in a Red vs Blue Competition.

Competition Environment using Ansible DevOps

- Utilized OpenStack to deploy 10 VMs including Windows Server 2019, Windows 10, and Ubuntu 22.
- Built and connected the network environment using Ansible for the Red vs Blue competition.
- Configured services like Active Directory, Apache2, MySQL and Postfix to simulate a corporate environment.

CERTIFICATIONS

INE Junior Penetration Tester (eJPT)

CompTIA Security Plus

TECHNICAL SKILLS

Red-Teaming: Kali Linux, BurpSuite, Nmap, MetasploitFramework, Hydra, JohnTheRipper, Dirbuster, BloodHound
Blue-Teaming: Wireshark, SysInternalsSuite, FTK Suite, Elasticsearch-Logstash-Kibana Stack, Ghidra
Systems: Linux (Debian), Windows, Ansible, Docker, OpenStack
Languages: Python, Java, C, Assembly, Bash/Shell Scripting, Go
Web: HTML, CSS, JavaScript, PHP, Bootstrap

EDUCATION

Bachelor of Science in Cybersecurity - Rochester Institute of Technology, NY