Devon Taylor

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SKILLS

- Strong understanding of networking concepts, and network design and implementation
- Computer and network security concepts and practice
- Communicating progress and challenges to a distributed team
- Delivering consistently clear and concise technical documentation
- Liaised between a team of technologists and project managers to manage deadlines and resources

Work History

Distributed Solution and Web Automation Designer, Contractor, 2019-2020

- Full time developer working with a distributed team in Python 3 creating web browser automation tools and documentation
- Oversaw project infrastructure redesign and restructure with the aim of moving off unsupported in-house tools to open source software tools with ongoing support and documentation
- Managed a small team during design and testing of a containerized deployment of the team's browser automation tools to remove the need for dedicated hardware and allowing the team to deploy ephemeral instances on cloud services as necessary

Independent Contractor, 2017-2019

Highlighted contracts included:

- Designed an 802.1x wireless network deployment for 30-40 BYOD users in a 4000 sq ft space
- Delivered a report detailing an analysis of the program flow and functionality of a legacy .NET/C# application that lacked source code and documentation for a planned rewrite by a future development team

Active Directory Security Consultant, Doak Shirreff Lawyers LLP., *2017*

- Led a deployment of Privileged Access Workstations (PAW) and Local Administrator Password Solution (LAPS) to remove domain admin credential use from common use
- Analyzed end-user workflow to design Windows group policies that would secure the environment without negatively affecting their current workflows
- Provided on-site I.T. staff with domain administration guidelines for future upgrades and maintenance to the environment

PROJECTS

Mentoring. 2017-2018

Mentored peers and students in preparation for college and certification exams in the following areas:

- Networking protocols
- Linux server management
- Documentation and technical writing skills

Security Audit, Networking and Telecommunications second year-practicum, *2017*
The practicum involved reaching out to a local business and working with them to address and solve a problem that they face. My work on this project went on to be implemented into their business.
- Researched prevalent attack vectors to design host-level mitigations
- Audited the security posture of a legal firm regarding end-user workstations, with a focus on recent ransomware attacks
- Mitigated common malware attacks targeting Microsoft Office, Google Chrome, and Internet Explorer using tools built into Windows
- Auditing and logging were discussed with the firm, but dropped from the project for time reasons

Wireless Site Survey, Okanagan Regional Library (Kelowna Branch), *2017*
Networking and Telecommunications project.
- Worked with client to determine survey goals, scope, and deliverables
- Created an accurate map of the building showing wireless access points and important barriers and locations. Overlaid on the map was a heatmap showing the areas for which each wireless access point was responsible.
- Analyzed wireless traffic during peak hours to identify common traffic types
- Measured RSSI, average transfer speeds, and surveyed the user experience in high-traffic areas of the building
- Created a seven-page report highlighting the team's finds and recommendations

Microsoft System Center 2016, Networking and Telecommunications first year practicum, *2016*
- Architected a private cloud solution during a two-week period using Microsoft System Center 2016 Technical Preview 4 and 5
- Troubleshot problems in the environment that required several rebuilds of our lab environment, and built a knowledge base within the team as documentation for the software required did not exist
- Coordinated with a six-person team in an a four-sprint agile development cycle to deliver deployment documentation for Virtual Machine Manager, Configuration Manager, Service Manager, Operations Manager, and Orchestrator
- Demonstrated an automated work flow allowing a client to deploy virtual machines to their private cloud

COMMUNITY EVENTS

OpenSOC @ DEF CON 28 Safe Mode, *2020*
Team Scream Inside Your Heart, finished in the top 50% of teams
- Hands-on experience with DFIR tools and processes
- Excelled at tasks involving creating links between network events and windows host events
- Created tightly focused queries to reduce resource cost to logging and reporting infrastructure
- Re-created email image attachments from hex dump of email packets

REFERENCES AVAILABLE UPON REQUEST

Last updated: 2020.10.06