

Devon Taylor

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SKILLS

- Designing and implementing secure computer networks
- 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
- Enabled teams to work uninterrupted by anticipating and solving problems ahead of time

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

- 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
- Designed an 802.1x wireless network deployment for 30-40 BYOD users in a 4000 sq ft space

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 work flow to design group policies that would secure the environment, but not negatively affect their experience
- 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

- 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

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
- Troubleshoot 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

EDUCATION

Okanagan College. Kelowna, BC. (2015-2017)

Networking and Telecommunications Engineering Technologies.

SELECTED PUBLICATIONS

“Secure by Design: The Network,” guest post at Alienvault, 2018

“Building Public Key Infrastructure in Windows,” blog post, 2017

REFERENCES AVAILABLE UPON REQUEST