

DAWSON BUCKLAND

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PROFESSIONAL SUMMARY

Detail-oriented Computer Science graduate from Thompson Rivers University with professional experience in cybersecurity operations, endpoint protection, network defense, and identity and access management. Proven ability to manage EDR platforms, next-generation firewalls, and IAM solutions across 500+ client environments. Proficient in Python, Java, JavaScript, C, C++, C#, SQL, PowerShell, and Bash, with experience in XDR and firewall administration, compliance frameworks including HIPAA, and automation scripting that delivers measurable operational improvements. Skilled in database administration, cloud security, and monitoring and visualization, with a solid foundation in incident response, malware analysis, and security documentation. Actively expanding expertise in cloud security and passionate about pursuing a career in cybersecurity, combining technical depth with exceptional communication and client management skills.

SKILLS

- Endpoint Detection and Response
- Next-Generation Firewall Administration
- Security Incident Response and Documentation
- Malware Detection, Analysis, and Removal
- SOC Operations and Alert Triage
- Identity and Access Management
- Network Security and Administration
- SIEM and Log Analysis
- Cloud Security (Azure, Google Workspace)
- Compliance Frameworks (HIPAA, IEEE)
- Database Administration and Management
- Operating Systems (Windows, Linux, macOS)
- Python, Java, C, C++, C#, SQL, PowerShell, Bash
- Web Development (HTML/CSS, JavaScript, TypeScript)
- Monitoring and Visualization
- Continuous Learner of New Technologies

WORK HISTORY

IT Security Specialist / CyberUnit – Vancouver, British Columbia

05.2024 – 08.2025

- Monitored and managed EDR platforms across 500+ client environments protecting thousands of endpoints, ensuring continuous threat detection and rapid containment
- Administered next-generation firewall configurations to maintain network perimeter security across diverse organizational architectures
- Conducted malware detection, removal, and remediation, documenting findings and producing post-incident reports for each engagement
- Performed SOC operations including alert triage, threat analysis, and escalation, reducing mean time to response across managed environments
- Led security incident response for Microsoft 365 compromises and malware events, producing detailed incident documentation aligned with organizational policies
- Developed automation scripts in Python, PowerShell, and Bash that streamlined workflows across EDR, Microsoft 365, and Google Workspace, reducing repetitive manual tasks
- Deployed and configured NAS infrastructure with RAID 1/5/SHR, encrypted volumes, Active Directory-integrated shares, VPN remote access, and automated backup schedules
- Diagnosed and resolved network, firewall, and application issues including TCP/IP, DNS, VPN, and DHCP troubleshooting for client organizations
- Managed identity and access management (IAM) across Microsoft 365 and Google Workspace, including user provisioning, MFA enforcement, Conditional Access policies, and SSO configuration
- Ensured HIPAA compliance for healthcare clients through security configuration, access controls, and data handling procedures

- Performed log analysis and security monitoring using built-in platform alerting tools to identify and investigate anomalous activity
- Engaged directly with clients through consultations and onboarding, translating technical security requirements into actionable solutions

IT Systems Analyst / Executive Flight Centre – Calgary, Alberta

05.2022 – 09.2023

- Administered and supported systems across Windows, Linux, Pi OS, and macOS environments
- Leveraged Python, SQL, and additional programming languages to automate tasks, execute database queries, and develop internal tools
- Administered database management systems including SQL Server to support enterprise software operations
- Configured networking infrastructure including point-to-point links, Starlink, mesh networks, managed switches, and TCP/IP, DNS, and DHCP services
- Administered cloud computing platforms including Azure, Microsoft 365, MS Nav, and Sophos security solutions
- Managed identity and access through Active Directory user provisioning, MFA enforcement, and role-based access controls
- Strengthened physical and network security through NVR deployment, site surveillance configuration, and endpoint hardening
- Resolved helpdesk tickets and provided comprehensive technical support across the organization

Stock Coordinator / Holt Renfrew – Calgary, Alberta

09.2019 – 09.2021

- Stocked and replenished luxury merchandise according to store layout and visual merchandising standards
- Handled and managed luxury goods with meticulous care and attention to detail
- Managed shipping logistics and utilized inventory management applications
- Delivered exceptional customer service, assisting clientele with purchasing needs in a premium retail environment
- Upheld the highest professional standards and dedication to luxury brand presentation

PROJECTS

Transient Power Disturbance Processing and Visualization / XenonCyber Dynamics Inc. – Kamloops, British Columbia

01.2026 – 03.2026

- Designed and developed a Python-based pipeline compliant with IEEE C37.111 standards to automatically retrieve, parse, and visualize COMTRADE power disturbance files from SEL-735 power meters via FTP, demonstrating ability to work within industry standard frameworks
- Built data ingestion workflows using Telegraf and InfluxDB to process real-time power system event data within the XCAP monitoring platform
- Created interactive Grafana dashboards displaying event metrics including voltage and current RMS values, frequency deviations, probable fault cause, and disturbance duration per phase
- Implemented rule-based event classification logic to determine probable disturbance causes such as single-line-to-ground faults, line-to-line faults, load rejection, and switching transients
- Developed automated PDF report generation using Python, delivering detailed event summaries with waveform trends and disturbance metrics to stakeholders via email
- Optimized data bandwidth between PLCNext edge devices (ARM32 Linux) and cloud servers over cellular and satellite WAN connections
- Engineered duplicate event detection to ensure data integrity across the processing pipeline
- Worked with SSH, VPN, and Ubuntu Server infrastructure for secure remote development and deployment

EDUCATION

Thompson Rivers University – Kamloops, BC / 2021 – 2026

Bachelor of Computer Science

Bowness High School | Calgary Board of Education – Calgary, AB

High Performance Athlete Development Program

ACCOMPLISHMENTS

- Achieved Dean's List recognition for multiple years at Thompson Rivers University
- Significantly expanded cybersecurity expertise through hands-on professional experience in endpoint protection, incident response, and network defense
- Cultivated strong, lasting professional relationships across IT and cybersecurity disciplines

REFERENCES

References available upon request