

# DANE WATTS

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## PROFESSIONAL SUMMARY

Results-driven Software Developer transitioning into Cybersecurity, with over 2 years of experience developing secure, large-scale SaaS applications and 8 years of technical leadership in high-availability, mission-critical environments. Strong proficiency in Python scripting, API security integration, SQL data management, and Microsoft Azure cloud operations. Skilled at identifying vulnerabilities, automating security workflows, and implementing best practices for application and data protection across distributed systems.

## EDUCATION & CERTIFICATIONS

### **Bachelor of Science in Computing and Information Systems (GPA: 3.4)**

Athabasca University - 2021 – Present (graduating 2027)

Bridged from University Certificate in Computing and Information Systems

- **CompTIA Security+** (*In Progress*)

## PROFESSIONAL EXPERIENCE

### **Frontend Web Developer**

*Jonas Club Software — Markham, ON*

**2022 – Present**

- Developed and maintained 15+ secure SaaS web applications hosted on Microsoft Azure, implementing SSL encryption, Azure Key Vault, and secure API endpoints to protect client data.
- Created Python scripts to automate vulnerability checks and API endpoint testing, reducing manual QA time by 40%.
- Integrated third-party APIs (Stripe for payments, HubSpot CRM, and internal RESTful services) using token-based authentication and role-based access control (RBAC) for secure data handling.
- Designed and optimized SQL queries and stored procedures for analytics dashboards and client reporting, improving query performance by 25%.
- Led a team initiative to refactor legacy front-end codebases in React with secure configuration management, improving overall application security posture and reliability.
- Collaborated with cybersecurity and DevOps teams to perform penetration testing remediation and implement OWASP best practices in production pipelines.

### **Mechanical Supervisor (Promoted from Mechanical Technician)**

*CN Rail — MAC Yard, Vaughan, ON*

**2013 – 2021**

- Supervised and trained a technical team of 8 in diagnostics and preventive maintenance, ensuring operational compliance with safety and regulatory standards.
- Leveraged PLC-based monitoring systems and SAP analytics to track real-time performance metrics, reducing system downtime by 20%.
- Built internal reporting tools using SQL to extract and visualize maintenance KPIs, improving decision-making and data transparency.

## TECHNICAL SKILLS

- **Languages & Scripting:** Python, JavaScript, SQL, C#, Java, C++, HTML5, CSS3
- **Frameworks & Tools:** React, .NET, Flask, RESTful APIs, Git, SAP, Figma, Kentico, WordPress
- **Cloud & Security:** SSL/TLS Encryption, Azure Active Directory, Identity & Access Management (IAM), DNS Configuration, WCAG 2.1 AA Accessibility
- **Databases:** Microsoft SQL Server, PostgreSQL, MySQL
- **Cybersecurity & Compliance:** API Authentication (OAuth2.0, JWT), Data Encryption, Secure Coding Practices, Threat Modeling, Network Hardening