

# ERENCAN AYPEK

Ottawa, Ontario, Canada | m: 647.573.4741 | [erencanaypek@gmail.com](mailto:erencanaypek@gmail.com) | [LinkedIn](#) | [www.erencanaypek.com](http://www.erencanaypek.com)

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*Results-driven Cybersecurity Implementation Specialist with established record of cybersecurity, threat analysis, and vulnerability management success for leading organizations*

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Proven talent for aligning business strategy and objectives with established cybersecurity and project management paradigms to achieve maximum operational impacts with minimum resource expenditures. Innovative self-starter adept at solving complex technical problems, deploying cutting-edge cybersecurity solutions, and integrating solutions across diverse systems. Leverage current and emerging trends and technologies to build robust defense mechanisms and well-fortified cybersecurity infrastructure. Communicate proactively to support user training and product adoption, serving as trusted information resource to clients, colleagues, and stakeholders. Thrive in dynamic, collaborative environments that demand excellence and reward ingenuity.

## CORE COMPETENCIES

- Multi-Factor Authentication (MFA)
  - Incident Response
  - Endpoint Security
  - Malware Analysis
  - Threat Detection
  - Risk Assessment
  - Hardware Solutions Development
  - Cross-Functional Collaboration
  - Creative Problem Solving
  - Technology Integration
  - Project Management
  - Strategic Planning
  - Vulnerability Analysis
  - Reverse Engineering
  - Phased Deployment
  - Programming
  - User Training
  - Leadership
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## PROFESSIONAL EXPERIENCE

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RBC, TORONTO, ONTARIO, CANADA, JANUARY 2022 TO APRIL 2022, SEPTEMBER 2022 TO PRESENT

### SENIOR CYBER SECURITY ANALYST, SEPTEMBER 2022 TO PRESENT

- Manage security platforms with an emphasis on optimal functionality; orchestrate seamless onboarding, maintenance, and troubleshooting of all applications.
- Analyze and interpret complex data, extrapolating key insights to guide strategic planning and decision making; generate detailed reports on evolving security statistics.
- Partner with senior leadership to develop scripts and tools in alignment with organizational goals; deliver expert consultation on idea and app development.
- Facilitate internal communication for security projects, reaching out to key teams and personnel to coordinate project timelines and ensure timely completion.
- Liaise with project stakeholders to answer questions and relay updates; balance multiple tasks and projects concurrently in a dynamic, fast-paced setting.
- Respond to security incidents promptly and calmly, with a focus on mitigating impact and reinstating normal operations as efficiently as possible.
- Coach and mentor junior team members in cybersecurity best practices to drive continuous improvement and professional development; cultivate an inclusive and cooperative workplace culture.

### KEY ACHIEVEMENTS

- Engineered and implemented a robust cybersecurity framework in compliance with ISO 27001 standards, fortifying infrastructure security and achieving a 30% decrease in security breaches year-over-year.

### CYBER SECURITY ANALYST, JANUARY 2022 TO APRIL 2022

- Operated and oversaw analysis platforms, automated routine tasks through script development, leveraged data mining for effective troubleshooting, and crafted custom reports for ongoing security campaigns.
- Collaborated with leadership and fellow team members to discuss benefits of new cybersecurity tools and technologies, as well as support the implementation process.
- Built positive relationships with vendors to facilitate timely product enhancements, accelerate issue resolution, and ensure open lines of communication.

AYP CYBERSEC, TURKEY, APRIL 2017 TO MARCH 2019; OTTAWA, ONTARIO, CANADA, AUGUST 2020 TO PRESENT

#### **IT SECURITY PROJECT MANAGER**

- Engaged with clients to identify needs and pain points, perform thorough requirements analysis, and create customized security solutions aligned with business models.
- Delivered user-friendly websites and applications that consistently exceeded client expectations; designed and deployed scalable, secure network solutions.
- Directed MFA implementation in environments with legacy systems, ensuring a seamless transition; implemented Nessus, Qualys, and Trivy for organizations based on budgets, requirements, and preferences.
- Managed resources effectively during large-scale cybersecurity projects; prioritized tasks based on risk assessment and delegated tasks according to team members' unique skill sets.
- Championed the implementation of Multi-Factor Authentication (MFA) across diverse systems, including email and VPN, emphasizing user training and adoption strategies.
- Deployed cutting-edge MFA solutions such as Duo Security and Microsoft Authenticator to strengthen security measures and drive seamless integration.
- Incorporated industry-leading solutions, such as S1, Bitdefender, and Carbon Black EDR solutions to bolster defenses against evolving cyber threats.
- Communicated proactively and transparently during security incidents, assembling response teams and creating timely communications to mitigate incident impact.

Y&M, OTTAWA, ONTARIO, CANADA, JANUARY 2023 TO DECEMBER 2023

#### **CYBER SECURITY CONSULTANT**

- Implemented and managed EDR, WAF, and MFA solutions to amplify threat detection, web application security, and authentication mechanisms; collaborated cross-functionally to create robust security architectures.
- Evaluated vendors to select optimal solutions that met organizational needs and compliance standards; monitored solution performance and conducted regular assessments to address security gaps.
- Configured security policies and provided training on EDR, WAF, and MFA usage to ensure effective protection and promote user adoption; translated complex information into easy-to-understand language.
- Kept current on cybersecurity trends and tools to continuously optimize configurations, enhance protection, and support agile deployment.

PURE ENERGY, ANKARA, TURKEY, FEBRUARY 2014 TO MARCH 2017

#### **JUNIOR SOFTWARE ENGINEER**

- Spearheaded design of customized solutions for proposals to potential customers; played key role in multiple stages of systems development lifecycle from requirement gathering to production releases.
- Revamped, modularized, and updated old code bases to reflect modern development standards, slashing operating costs and improving functionality.
- Coordinated deployments of new software, feature updates, and fixes; corrected, modified, and upgraded software to improve performance; constructed databases and table structures for web applications.
- Worked closely with project managers to strategize ambitious but attainable coding milestones on pre-release software project development.

#### **KEY ACHIEVEMENTS**

- Engineered a multi-tiered web application serving over 10,000 users, contributing to both back-end API development in Python and front-end interface design utilizing React, which increased system efficiency by 15%.
- Streamlined an existing codebase by implementing refactoring techniques and introducing automated testing, reducing system bugs by 25% and improving overall software reliability.

#### **ADDITIONAL EXPERIENCE**

SENECA COLLEGE, TORONTO, ONTARIO, CANADA, OCTOBER 2021 TO AUGUST 2022 | **PEER TUTOR**

SENECA COLLEGE, TORONTO, ONTARIO, CANADA, SEPTEMBER 2019 TO APRIL 2020 | **COMPUTER SECURITY LAB ASSISTANT**

SENECA COLLEGE, TORONTO, ONTARIO, CANADA, FEBRUARY 2019 TO SEPTEMBER 2019 | **DATACENTER TECHNICIAN**

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## EDUCATION AND CREDENTIALS

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BACHELOR'S DEGREE WITH HONOURS, CYBERSECURITY (INFORMATION SECURITY) – IFS  
*Seneca Polytechnic – GPA: 3.7*

### TECHNICAL CERTIFICATIONS

- BilgeAdam Academy – .Net Programming Completion Certificate, BilgeAdam Teknoloji, 2013
- BilgeAdam Academy – Success Certificate, BilgeAdam Teknoloji, 2013
- Programming .NET, BilgeAdam Academy, August 2013
- Microsoft Certificate of Achievement – Developing ASP.NET MVC 4 Web Applications, Microsoft, 2013
- Microsoft Certificate of Achievement – Programming in C#, Microsoft, 2013
- Microsoft Certificate of Achievement – Programming in HTML5 With JavaScript and CSS3, Microsoft, 2013

### LANGUAGE INSTRUCTION

- ESL, Seneca Polytechnic, completed all levels of English education: writing essays, delivering readings and presentations, and focusing on communication
- General Training, IELTS Official, 2023: overall Score 7.5 – C1
- ILAC Proficiency (Level 16), ILAC, 2017

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## AWARDS AND HONORS

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- President's Honour List, Seneca University, 2021

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## VOLUNTEERISM

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- Student Mentor, Seneca Polytechnic, 2019-2021

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## ADDITIONAL INFORMATION

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**Languages:** English, Turkish

**Technical Proficiencies:** Qualys, SentinelOne, Bitdefender, XSOAR, Carbon Black, Splunk, Duo Security, Burp Suite, Wireshark, experience with phishing, vishing, smishing, etc.; Python, C, C++, C#, Bash, Visual Basic, etc.; Metasploit, Nmap, SQLMap, Bettercap, Ettercap, Airmon-ng, Aircrack-ng, Hashcat; operating systems: Ubuntu, Debian, CentOS, Kali Linux, Fedora, Windows, MacOS, Raspberry Pi OS.

**Interests:** Powerlifting (competitive), football (recreational), vlog biker, golfing, horse riding, photography