

Maxime Beaudry

Senior Security and Infrastructure Engineer

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SKILLS

Agentic Coding AI	Identity and Access Control	CNAPP & CSPM	ZSP
Kubernetes	AWS, GCP, Azure	Terraform, Ansible	Linux
Networking	Cloud Security	Python, Go, C#, C++	Management
Agile	Kanban	Compliance	Server administration

INTRODUCTION

Results-driven platform and security engineering leader with 10 years of experience spanning SRE, cloud infrastructure, application security, and compliance. Proven track record of delivering secure, high-availability systems from the ground up — across InsurTech, Big Tech, and Fortune 500 environments — while wearing many hats and driving outsized impact as both a team leader and individual contributor. Adept at translating complex security and infrastructure challenges into scalable, cost-effective solutions, with deep expertise across zero trust architecture, PKI, vulnerability management, SIEM/SOAR, and multi-framework compliance (SOC 2, HIPAA, PCI DSS, ISO 27001, HITRUST). Known for embedding security culture into engineering organizations and delivering measurable results — from 90% reductions in vulnerability backlogs to 40% infrastructure cost savings.

WORK EXPERIENCE

Senior II Security Engineer, Platform Engineering May 2024 – Present
Coveo

- Designed and implemented an AWS access control and identity framework enforcing least privilege, zero trust, and zero standing privilege (ZSP) principles across cloud-native workloads
- Designed and implemented a risk-based vulnerability management solution using reachability and exploitability metrics, driving a 90% reduction in code flaw backlog
- Operated and maintained security infrastructure as code using Terragrunt, ensuring continuous threat detection, policy enforcement, and uninterrupted security coverage
- Delivered application security (AppSec) solutions directly to development teams, integrating security tooling into existing pipelines to shift security left and reduce remediation costs
- Deployed and operated Web Application Firewall (WAF) rules and managed threat detections across a modern SIEM & SOAR platform, enabling rapid response to emerging attack surfaces
- Engineered automated compliance frameworks for continuous, audit-ready proof collection of SAST, SCA, and software licensing — eliminating manual evidence gathering and accelerating compliance programs

Lead Site Reliability Engineer Feb 2022 – May 2024
Elpha Secure

- Singlehandedly architected and launched an InsurTech platform from the ground up, delivering 99.9% availability, scalable endpoint services, serverless AI inference, big data ingestion pipelines, and a Forensic Security Operations Center (FSOC)
- Designed and operationalized an AI inference testing lab for active malware detection, improving true positive rates by 5% and reducing false positives by 10%
- Drove end-to-end compliance single-handedly, obtaining SOC 2 Type 1 within 3 months, SOC 2 Type 2 within 1 month post-observation, and HIPAA compliance within 2 weeks
- Authored and embedded organizational best practices across incident response, continuous delivery, and technical SOPs — establishing standards adopted at the leadership level

- Executed a strategic infrastructure cost optimization initiative, achieving 40% month-over-month cost savings

Lead Principal Security Engineer, SRE
Nuance Communications

Oct 2020 – Feb 2022

- Led a security analyst team within an SRE organization through a Big Tech acquisition, ensuring vulnerability management requirements were met and delivering comprehensive audit reporting
- Spearheaded a large-scale cloud uplift initiative that reduced total cost of ownership by 20% and cut audit cycle time by 50%
- Automated end-to-end vulnerability management workflows, reducing mean time to patch (MTTP) by 33% and enabling daily zero-day reporting to security leadership
- Aligned AI-based solutions with enterprise security and privacy frameworks, achieving compliance across PCI DSS, HIPAA, ISO 27001, SOC 2, and HITRUST

Software Developer, Team Lead
Genetec

Sept 2016 - Oct 2020

- Led a cross-functional developer team within an incubator using Agile methodology to deliver scalable software solutions across platform pillars — identity, policy, data storage, and security
- Architected a hybrid private PKI solution achieving full X.509, ACME, and FIPS 140-2 compliance for seamless on-premises and public cloud deployment
- Engineered a high-performance policy engine for a Fortune 500 client's physical access control system, meeting stringent cost targets (\$0.01/user) and a 99.99% availability SLA
- Drove major architectural refactoring of the company's core access control platform, applying Domain-Driven Design (DDD) and event-driven architecture principles to improve scalability and maintainability
- Delivered IoT integration for third-party access control software on integrated systems, leveraging functional programming paradigms to improve code reliability and maintainability

EDUCATION & PROFESSIONAL DEVELOPMENT

Microsoft Azure | Azure Security Engineer Associate (AZ-500)

July 2021

University of Waterloo | Cryptoworks21

May 2014 - September 2016

Université de Montréal | M.Sc Computer Science | Quantum Computing

Graduated September 2016

McGill University | B.Sc Physics and Computer Science

Graduated April 2014