CASE STUDY 09 / CROSS-INDUSTRY EXPERIENCE / ASSURANCE

Making Security Part of the Architecture, Not an Afterthought

Security, identity and information assurance

THE BUSINESS CHALLENGE

Security was frequently treated as a late-stage addition, rather than a core requirement of identity, human interaction, data protection and transaction design.

THE WORK PERFORMED

01 Secure transaction architecture. Designed identity, authorization and transaction-control approaches for early e-commerce and multi-party platforms.

02 PKI and certificate-authority work. Designed and user-acceptance-tested public-key and certificate-authority capabilities with a major Canadian bank.

03 Postal and logistics security. Applied secure identity, parcel-information protection and machine/process security in postal environments.

04 Permissions-based smart systems. Designed identity and access permissions for people interacting with connected-building services.

05 Assurance and controls. Applied audit, compliance and information-assurance thinking to architecture and process decisions.

06 Cross-disciplinary design. Integrated security requirements into user journeys, system architecture and operations rather than adding them after implementation.

THE RESULT

Applied secure identity, permissions and assurance principles across digital-commerce, logistics and smart-building work. This career-spanning example does not claim a single quantified security outcome.

Multi-sector
security-by-design experience

WHAT THIS EXPERIENCE PROVES

Demonstrates career-long application of identity, trust, transaction controls and information assurance across multiple industries and systems.

BEFORE / TRANSFORMATION / AFTER

BEFORE	TRANSFORMATION	AFTER
Security risked becoming a late-stage control added to a finished design.	Embedded identity, permissions, encryption and assurance into architecture and user workflows.	Security and human-centred design became joint design requirements, not competing priorities.

SELECTED CAPABILITIES

Security assessment | Information assurance | PKI and encryption | Certificate authority design | Identity and access design | Solution architecture | Security awareness

Experience: Tracey DeLeeuw and Darren Jones | Experience and venture descriptions reflect the founder interview. No additional client outcomes are implied.

Could your organization benefit from similar work? team@greenteaming.ca | LinkedIn: Green Teaming