

# NATHAN MCDANIELS, CISSP, CISM

INFORMATION SYSTEMS SECURITY ARCHITECT

## SONY ADMITS COMPLETE SECURITY FAILURE: "CUSTOMER DATA HAS BEEN STOLEN"

– CNN HEADLINE, 2011

Fortune 100 Information Systems Security Architect who mitigated the single biggest risk to GM's and Proctor & Gamble's global brands—information security failure. The proof is in the results:

- ❖ Built GM's first fully integrated global information security program protecting the entire \$150B enterprise. **Incurred no security risk incidents since implementation in 2007.**
- ❖ Engineered, deployed, and managed the world's largest enterprise-managed personal firewall solution. **Incurred no security risk incidents since 2001.**

Leverage MIT graduate degree in Information Security with 12+ years of professional experience to deliver:

- ❖ **Corporate technology strategies** that enable billion-dollar companies to realize their business vision.
- ❖ **System survivability solutions** that integrate security, disaster recovery, and business continuity.
- ❖ **Secure information architectures** directly aligned with global business goals.

### EXPERTISE IN WHAT MATTERS MOST

Data Architecture | Security Infrastructure | Disaster Recovery | Business Continuity | Security Audits

### IVY-LEAGUE EDUCATION

**Master of Science in Information Security**, Massachusetts Institute of Technology (MIT), Cambridge, MA 1997

*Completed Certified Information Systems Security Professional / Certified Information Security Manager programs*

**Bachelor of Science in Computer Science**, Harvard University, Cambridge, MA 1990

### IS SECURITY EXPERIENCE

#### GENERAL MOTORS, DETROIT, MI

**Senior Security Architect**

2007–2011

**Snapshot:** Information Security / ISO/IEC 27001 / Global IT Security Risk Mgmt / NIST 800-30 | **Reports:** 7

**Challenge:** to build and deploy GM's first fully integrated, enterprise-level information security architecture.

**Generated Value:** Developed and implemented enterprise IT risk management program, standardized risk assessment across all GM facilities, established information security governance and compliance standards, and created and optimized information security policies, standards, guidelines, and procedures.

#### Game-changing Impact

- Enabled GM to identify and centrally manage risk across its entire global footprint for the very first time.
- Reduced security risk incidents 67% in the first 2 months and **eliminated all risk incidents within 6 months of hire.**
- Saved more than 60% in operational and licensing costs through standardized assessment methodologies and risk management tools.
- Leveraged information security to build unparalleled supply chain trust.

Security Risk Incidents



## GENERAL MOTORS (CONTINUED)

### Enterprise Security Strategy Architect

2005–2007

**Snapshot:** Enterprise Systems Security / Program Management | **Reports:** 17 | **Budget:** \$1.3MM

**Challenge:** to develop GM's Corporate Information Security & Asset Protection programs from the ground up.

**Generated Value:** Defined infrastructure requirements, developed information security plan and implementation teams, established governance processes for the North America helpdesk, conducted security audit reviews, and created and executed a disaster recovery program as the foundation for developing GM's business continuity program. Led the global teams that implemented and integrated enterprise information security systems.

#### Game-changing Impact

- Took information security from ground-zero to model program within 8 months; **turned around security audit taking the enterprise from 24 high-risk assets in 2004 to 0 by 2005.**
- Established a centrally managed data exchange solution ensuring 100% data communications security (up from 30%). Implemented GM's first protocols for securing data in transit to business partners.
- Negotiated 3-year cost savings on a new disaster recovery service contract while generating a 50% increase in available test time.
- Eliminated costly maintenance shutdowns by upgrading the data center to a fully redundant, no downtime infrastructure.



## THE PROCTER & GAMBLE COMPANY, CINCINNATI, OH

### Systems Security Manager

1998–2004

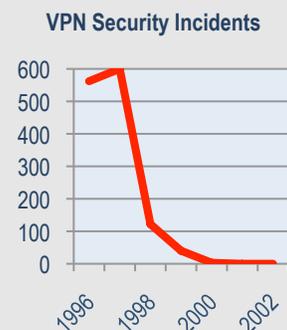
**Snapshot:** Global Partner Network security solutions development | **Reports:** 23 | **Budget:** \$1.1MM

**Challenge:** to build and manage global access systems supporting 100,000 personnel in 72 countries and to evaluate, deploy, and manage a personal firewall solution supporting 40,000 global partners.

**Generated Value:** Engineered global corporate external access systems, evaluated and performed proof-of-concept for best-case enterprise firewall solutions, worked with vendors to customize solutions aligned with P&G business goals, introduced new efficiencies and cost-saving measures across the entire IT organization, and built and managed VPNs, corporate firewalls, Internet proxy servers, and Web portal connectivity.

#### Game-changing Impact

- Designed and executed the world's largest and most secure enterprise-managed personal firewall solution.
- **Reduced known VPN security risk incidents from 600 in 1997 to 0 by 2001.**
- Optimized P&G's global IT footprint shedding 20% of server overhead and saving \$2MM+ in annual capital costs.
- Seamlessly integrated 2 major acquisitions (\$5B) into P&G's global information security architecture.



Nathan's resume centers on the theme of mitigating security breaches and making Fortune 100 companies more secure.

At the outset, I put an image in the reader's mind of the consequences of a failed information security system and immediately counter that picture with the image of a candidate who has already helped two Fortune 100 companies avoid such catastrophic security failures ("been there, done that"). Each of the graphs I included drives home this message by visually portraying the dramatic drop in security incidents that Nathan has orchestrated over the past 12 years.

Instead of using standard heading names (Education, Experience, Expertise), I went with more dynamic headings to pull the reader in and fully capture Nathan's value.

To improve readability, I separated Nathan's roles and job stat snapshots from his contributions and game-changing impacts.