

Information Security Professionals

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Who is This Guy?

Christopher Robinson

IT Professional since 1995, Dad, Writer, Artist, Brewer of Beer, Leader, Vintner, Teacher, Mentor, Engineer, Game Designer

Has been a salesman, a college instructor, engineer, support person, cheerleader, project manager, consultant, mentor, manager, security practitioner, Mac-fanboy and all-around Brain Scientist doing Rocket Surgery.

I've worked at AMLaw 200 Law Firms, Fortune 500 Corporations, Community Colleges, A Top 20 Financial Institution. I've worked for doctors, lawyers, bankers, government, businessmen, and manufacturers.

I've spoken at numerous international conferences on the subjects of Identity and Access Management and Enterprise Logging.



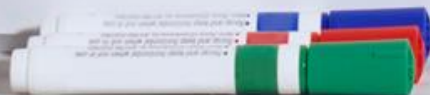
Notable accomplishments

- Created an automated build of a Windows 2000/XP desktop image that worked across 13 unique models of desktops and laptops.
- Managed groups of people ranging from 20 salespeople to teams of engineers ranging from 8-17.
- Performed a security audit for a major Akron-based Financial institution of over 200 servers and generated an unattended server patching and auditing program.
- Created two CMDB's and one Change Management solution using common tools for clients and employers.
- Managed a personnel budget of over \$1million and hardware budget of \$3million.
- Integrated almost 350 unique applications into a Role-based Security framework growing the company to the 2nd largest installation of the product in the world.
- Helped mentor numerous people helping them develop in their careers and make choices that best reflected how they wanted to live their lives.
- Led a 2-year \$80 million effort to migrate a datacenter encompassing over 1700 servers with minimal impact to business availability.
- Migrated, upgraded, installed, patched thousands of servers and tens of thousands of desktops.
- Taught myself stuff about Microsoft Windows 3.1, 3.11, NT, 95, 98, 2000, 2003, 2008, Novell Netware and eDirectory, IBM AIX, Red Hat Enterprise Linux, Sun Solaris, Cisco routing/switching/firewalls/vpn/ips, Mac OS X, Enterprise Identity provisioning, Directory synchronization, Desktop and server management, project management, UNIX and windows scripting, Enterprise log aggregation and correlation, Enterprise configuration management, change management, Enterprise Antivirus/firewalls/HIDS/NIDS/ILP-DLP, PCI CCAP/SOX GLBA HIPPA COBIT ITIL and other laws-regulations-frameworks
- Bla bla bla plus tax



And I've done all of this based off of a love of technology, an interesting hobby, good soft-skills

...and two degrees in English Literature



What is Information Security and why do we need it?

- Everyone that uses a computer has information they want protected. Large and Small Corporations are just like you, just on a larger scale.
- Instead of your personal Bank Account or your private medical data companies have customer data, Intellectual Property, or perhaps Government Secrets to care take. These entities are ethically and oftentimes legally required to protect the data of their clients
- Information Security (InfoSec) is a computer discipline specializing in protecting the Confidentiality, Integrity, and Availability of data.



Why does security matter?

- Private customer data must be protected from unauthorized use/access (Identity Theft)
- Trade Secrets and the like must be protected from competitors (Industrial Espionage)
- Company Reputation/Brand must be protected (Character/Brand Defamation)
- Financial Transactions must be guaranteed authentic (Theft, Fraud, Money Laundering, etc.)
- Business Continuity must be ensured (Natural/Political Disasters – Hurricane Katrina, Japan's 2011 Tsunami, September 11th, 2001)
- And dozens of other reasons....



- InfoSec can manage protection many different ways and has many different vocations/jobs
- The CISSP is one of the many certifications available to earn to prove knowledge in 10 (now 12) Domains of Knowledge:

Physical Security

Disaster Recovery

& Business Continuity

Cryptography

Access Control

Application

& Systems Development Security

Law, Investigation and Ethics

Telecommunications

& Network Security

Computer Operations Security

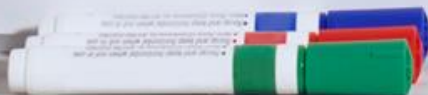
Security Management Practices

Security Architecture



Industry Trends

- InfoSec field will continue to grow and be even more in demand.
- Data Management and Analytics and Data Security will be particularly sought after.
- Companies will continue to have limited budgets and will hire and fight to retain helpful, innovative, multi-disciplined employees (doing more with less).
- Interpersonal skills like conversation, negotiating, presenting, critical thinking & logic, troubleshooting and documenting continue to be in high demand and are infrequently found. Excel at any of these and it will greatly increase the opportunities you might have in your career.



What I've learned

- Build your network – Knowing the right person can make all the difference.
- Always treat others with tact, respect, and assume positive intent - Always act like a true professional
- Learn something new everyday – Flexibility and positivity are keys to success
- Never be afraid to say “I don’t know”. Never be afraid to ask questions or ask someone to teach what they know – There is ALWAYS someone smarter than you out there.
- You’ll do/learn more over lunch or coffee than you ever thought possible
- Sometimes having broad knowledge is just as good as deep – Have a skill your best at, but don’t close yourself off to everything else.
- Know your customer and always inspect the expectation – Your customer pays your salary.
- Always understand the value-proposition to the business – Work must be more than “cool”, it HAS TO bring value to your client
- Be your brand
- Always have fun and love what you do; love your work



Thanks for having me!

