



Gerard Fowley

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508.769.9617

Independent IT/InfoSec consultant providing project and contract based IT and InfoSec professional services.

- 20 years in IT, including 15 in Information Security.
 - Theoretical and practical background in IT and InfoSec.
 - Extensive experience in client-facing professional services.
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Accomplishment

- Self-employed IT/InfoSec consultant since 2007.
 - Design, implementation, and management of enterprise networks and security.
 - Development of process and systems for network security assessment and management.
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Certification

CISSP	Certified Information Systems Security Professional (2001-present)	http://www.isc2.org
GCFW	SANS GIAC Certified Firewall Analyst (2000-2004)	http://www.giac.org
CCSE	Checkpoint Certified Security Expert (1998-2002)	http://www.checkpoint.com
CCNA	Cisco Certified Network Associate (1998-2002)	http://www.cisco.com
CNE	Certified Novell Engineer (1996-2000)	http://www.novell.com

Expertise

Information Security	Enterprise network security assessment. Web application architecture assessment and penetration testing. Internet perimeter penetration testing. Standards and best-practices for network and system security. Analysis, design, and implementation of web application, database, internet perimeter, and enterprise networks.
Security Technology	Firewall & Proxy (Checkpoint Firewall-1, Cisco ASA, IPTables, Squid). IDS/IPS (ISS SiteProtector, Proventia, Snort, Cisco IPS). VPN (Cisco, Firewall-1, Sophos, OpenVPN). Wireless security (WPA2, 802.1X, etc..). Authentication (Entrust, RSA, ADS, OpenLDAP, Radius, Kerberos, NDS). Service hardening (Apache, IIS, Bind, MSDNS, MySQL, MSSQL, Postfix, Exchange). Email security (Postini, PGP, Barracuda, MIMESweeper, SpamAssassin). Web content filtering (Scansafe, Squid, Surfcontrol, WebSense).
Networks & Systems	Cisco, HP & 3Com routers/switches, routing protocols (OSPF, BGP, EIGRP, RIP). Network management (HP OpenView, CiscoWorks, SNMP). Operating systems (Linux, Windows/ADS, Netware/NDS, Unix, OSX). Email (Exchange, Postfix, SMTP/IMAP/POP). Web server and database systems (Apache, IIS, MySQL, MSSQL). Scalability & redundancy (F5, Barracuda, QoS).
App. Development	Ruby/Rails, HTML/CSS/JS, Java/Tomcat, XML, Bash, Perl, .NET, C++, x86.

Experience

Self Employed - IT/InfoSec Consultant

Iqeo LLC. Network and security design, implementation and management.
2007 - Present Network security assessment & penetration testing.
Development of network security assessment, and management tools.

Principal Security Consultant - Principal Systems Engineer - Senior Systems Engineer - Education Specialist - Systems Engineer

Cognizant Technology Solutions. Information security consultation with client technical personnel and executives.
(Aimnet Solutions) Development of security assessment systems and procedures.
(Alpine CSI) Development of network and system security best-practices.
Holliston, MA. Enterprise security assessment and penetration testing.
1996 - 2007 Forensic incident investigation.
Design, implementation, and analysis of security and network infrastructures with regard to security, performance, complexity, and cost.
Technical training, mentoring and support for engineers for security, networking, messaging issues.

Technical Manager / Network Systems Engineer

Infinity Computer Corp. Design, implementation, analysis of small and medium sized networks.
Southboro, MA. Client consultation throughout project cycle.
1991 - 1996 Development of custom client and in-house applications.
Development of technical procedures, guidelines, client/in-house training.
Hardware, software, network and application analysis.

Embedded Systems Engineer

CadCom Inc. Development of embedded system for payphone.
Worcester, MA. Developed DSP, system software & hardware.
1988 - 1989 Technical and process training.
1990 - 1991 Project documentation, hardware & software maintenance.

Production Test Engineer

Wang Laboratories Support of production test systems.
Limerick, Ireland. Development of test procedures and programs.
1987 Design and implementation of embedded systems hardware & software.

Education

University of Limerick

Limerick, Ireland. Bachelor of Electronic Engineering degree program.
1990 - 1991 Specialized in computer systems, hardware and software, communications.
1986 - 1987

Worcester Polytechnic Institute

Worcester, MA. Electrical Engineering & Computer Science programs.
1988 International exchange student.

Sligo Regional Technical College

Sligo, Ireland Associates Degree in Electronics Engineering.
1984 - 1986 Achieved highest individual graduation standard nationwide.
