



Name: Steve Barraud

Profile

Steve is a Security Consultant within LogicaCMG's Security Group. His principal areas of expertise are PKI, smart cards, Internet and network security. He has an excellent understanding of both business issues and the supporting technologies that are required to implement secure systems.

Industry Experience

- Government
- Defence
- Banking
- IT Services

Skills & Competencies

- IT Security, including PKI, smart cards and extranet access
- Strategic Security Reviews
- Network consultancy, advising on technical and management issues of large-scale IP networks
- Intranet Management
- System Development

Career Summary

1990 to Date	LogicaCMG plc
1984 to 1990	Thorn EMI Ltd
1981 to 1984	Jiskoot Autocontrol Ltd



Career History

LogicaCMG plc

Sept 2002 – Date

Security Architect

MOD/Banking

Consultant for a two clients:

- Advised on connecting networks at different classifications;
- Recommending appropriate VPN and SSL solutions to specific business and technical problems;
- Recommended products, including market position, technical suitability, and costs;
- Discussed and made recommendations on suitable DMZ architectures, and administration issues;
- Advised on business issues of IT Security.

Jan 2002 – Aug 2002

PKI Architect

Banking

The bank is replacing its legacy branch IT systems with a Windows 2000 web-enabled n-tier architecture using smart cards and BT Trustwise (Verisign) PKI.

- Reviewed the security architecture (PKI, Certificate Authority, Windows/Smartcard interface, IBM Policy Director) to identify potential security flaws;
- Liaised with business stakeholders to ensure that procedures for card issue, expiry and revocation were appropriate to the bank's business culture;
- Liaised with design and implementation staff to assure the integrity of the security solution;
- Defined the security test strategy;
- Liaised with smart card manufacturer to define custom functionality required for the architecture.



Sept 2001 – Dec 2001

Security Review

LogicaCMG

LogicaCMG performed a security review at Managing Director level as part of a continuous security management strategy.

Led an international (UK, Germany, Holland and France) team of LogicaCMG security consultants who:

- Defined the contents of the security survey, which was based on Information Security Forum (ISF) recommendations;
- Issued the survey to CMG MDs in all our operating countries;
- Collated responses;
- Analysed and published the results.

Jun 2001 – Dec 2001

Strategic Network Review

Government

Consultant responsible for the review of a major Government department's UK-wide WAN and LAN networks, addressing issues such as performance, security, routing, and management. Monitored performance of critical links to identify bandwidth-hungry users and applications. The final report included both strategic and tactical recommendations, addressing both technical and managerial issues.

- Technical Strategy;
- Packeteer network analysis.

Aug 2000 – Jun 2001

Security Architect

Various Organisations

A number of projects for Government and financial customers include a security element. Typically, these projects are n-tier web-enabled developments, which require access control (limiting access to specific users, perhaps over the Internet), perhaps using physical tokens such as smart cards, and may also have to include elements of a PKI.

- Liaised with clients to identify security requirements;
- Selected appropriate secure technology (PKI, smart cards, secure email, secure Extranet etc);
- Addressed business and technical issues;
- Defining a secure proxy server architecture;
- Liaised with product suppliers and CMG technical staff to define secure architectures.



Jun 1999 – Dec 1999	Security Architect	Government
	Investigated options for implementing security using a PKI on an n-tier Java/CORBA project. Surveyed the PKI market, recommended a preferred supplier and implemented a solution in prototype. This led to a set of strategic recommendations for requirements definition and technical areas requiring further investigation.	
	<ul style="list-style-type: none">• PKI Strategy Definition;• Entrust PKI, Certification Practice Statements.	
Oct 1998 – May 1999	Intranet Manager	Internal
	Information Manager responsible for the creation and management of the first company Intranet. Liaised with staff worldwide to source information for publication.	
1994 – 1998	Project Leader	Various
	Led teams of up to 20 staff on a number of development projects.	
1990 – 1993	Developer	Various
	Developer on a number of real-time projects.	
Thorn EMI Ltd		
1984 – 1990	Developer	Thorn EMI Electronics Ltd
	Developer for a number of railway ticket machines, including one that worked in Arabic and English simultaneously.	
Jiskoot Autocontrol Ltd		
1981 – 1984	Electronic Engineer	Jiskoot Autocontrol Ltd
	Designed a number of microprocessor-controlled process control systems for the oil industry.	



Skills & Experience

Business Skills

Area	Experience
Security Consultancy	4 years
Project/Team Leading	4 years

IT Skills

Skill	Experience
Secure Technologies	3 years
PKI	3 years
Smartcards	1 year
Networking	8 years

Qualifications / Affiliations

- BSc Engineering Science
- Chartered Engineer MIEE