

KEREM KOCAER

EDUCATION

- 2005 - 2007 Royal Institute of Technology - KTH, Stockholm, Sweden
Master of Science in Information and Communication Systems Security
- 2004 (2nd Semester) Université des Sciences et Technologies de Lille, France
Computer and Mathematics
- 2001 - 2005 Galatasaray University, Istanbul, Turkey
Computer Engineering

EXPERIENCE

- 2008 Apr - ... Bitsec AB, Stockholm
Security Consultant
- 2007 Jan - 2008 Apr Infoflex Connect AB, Stockholm
Developer
Conceptualization, development and maintenance of web and Windows applications
- 2004 KocSistem A.S., Istanbul
Software Internship - 2 months
C++ development of UNIX-based cashier screens used in shopping stores
C++ development of an internal communication tool
- 2003 Siemens A.S., Istanbul
Hardware and Networking Internship - 1 month
Network design, network security tools and policies
Installation and configuration of firewall, proxy and DNS server
- 2001 - 2002 Galatasaray University IT Department, Istanbul
Design and administration of the university's web site
- 2000 - 2004 Veri Ajans, Gazete Besiktas, Istanbul
Design and administration of the newspaper Gazete Besiktas' website

PUBLICATIONS

Corporate Governance, Internal Control and Compliance- From an Information Security Perspective

Dr. Christer Magnusson, Kerem Kocaer

[<http://www.svensktnaringsliv.se/material/rapporter/article35898.ece>]

Corporate Governance: From COSO-ERM to ISO 27001

Master's Thesis (Kungliga Tekniska Högskolan - KTH)

Online Visual Communication Platform with ASP.NET

Bachelor's Thesis (Galatasaray University)

PROJECTS

Value Based Risk Management

- Project proposal for a Business Driven Security Architecture to offshore a Fortune 100 company's IT operations to an offshore supplier in India

Security Management

- Managed Security Services: Services, Pros&Cons, Procurement, Implementation
- A Qualitative Risk Analysis of the Business Area of Managed Security Services

Software Engineering and Security Architecture

- Common Criteria - Evaluation of a Protection Profile: Mobile Phone Digital Rights Management Protection Profile.
- Common Criteria: Practical software evaluation of the SnipSnap application
- Web Server C source code audit with Rough Auditing Tool for Security (RATS)

Mobile and Wireless Networks Security

- Wireless LAN traffic analysis, cracking WEP encryption
- Captive Portals: Installation and configuration of a captive portal to provide authentication to wireless networks

Network Security

- Implementation of the Diffie-Hellman key exchange protocol in Java

Java Security and Electronic Commerce

- Smart Card Identification: Design and implementation of a personal identity verification system based on Java smart cards

Advanced Internetworking

- ISP project: setting up of services necessary for running an ISP infrastructure: DNS servers, HTTP web server, DHCP, FTP server, SIP VoIP, OSPF Dynamic Inter-domain Routing

Other

- Testing of security tools: Key loggers, Trojans, Nmap, Nessus, Dsniff, Ettercap, Ethereal, tcpdump, Snort, ...
- Exploiting vulnerabilities of the Microsoft Windows Operating System: RPC, WINS, IIS exploits.
- System Holistic Approach: Application of Systems Theories to create a security policies
- System Holistic Approach: Ethics in IT Security
- Asymmetric Cryptography and RSA Algorithm

Please check my website for detailed descriptions of all the courses I took and projects I have accomplished.

SKILLS

Programming Languages	Java, C, C++, C#, Pascal, AMPL, SQL, ASP.NET, HTML, XML, PHP
Operating Systems	Win 9X, Win 2000, Win XP, UNIX, Linux
Applications	.NET, Oracle, MySQL, MS Office, Photoshop, Smart Cards
Standards & Frameworks	COBIT, ITIL, COSO-ERM, ISO 17799, ISO 27001, ISO 20000, ITIL, OCTAVE, Common Criteria

LANGUAGES AND INTERESTS

Languages

Turkish - Native
English - Fluent
French - Fluent
Swedish - Advanced

Interests

Volleyball - University team player
Guitar - Amateur player
Travelling

Clubs

Rotaract Club of Istanbul Marmara (2004-2005 President)
Galatasaray Sport Club

REFERENCES

Available upon request