



**Dr. Rocky Termanini**

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## **Summary**

Forty six years of experience in IT consulting and management of mission-critical projects at the global level. He has worked with several prominent companies, including the Big 5 management-consulting firms. Expertise includes:

- **Multi-national and Global Consulting:** Extensive expertise in international technology project management, outsourcing management, building relationships, technical consulting and training.
- **IT Planning, Integration:** Development of IT strategies, Helping enterprise clients integrate infrastructure, e-government integration, Hardware sizing, support systems, and networks. Change Management Planning.
- **Security Assessment:** Cybercrime, Counter-Cyber-terrorism, IT Audit and Governance, Risk Management, vulnerability assessment, Computer Forensics, ethical hacking, and Incident Response.
- **Business Continuity Planning:** To craft recovery plans for mission-critical systems.
- **Business Development:** defining market potentials, collaborating with vendors, managing large-scale account, closing business deals, presenting technical briefs to clients, developing strong proposals.
- **Technology benchmarking:** Selection of vendors, alliance with vendors, backed up by strong analytical background in system architecture, performance metrics, and capacity planning.
- **Educational Training:** mentoring and educating university students in e-business and Computer Forensics. Setting up workshops, seminars and training programs.
- **Formal Academic Teaching:** Teaching formal classes in Computer Science, in addition to specialized workshops. Heading student technology clubs on campus.

## **Work Profile**

### **Merit International Security Consultants (4-03 to Present) VP of Technology**

Responsibilities cover development of cyber security plan for critical infrastructure of governments, public and private companies. Technical consulting of national and global clients to develop vulnerability assessment, emergency preparedness, first response and recovery from cyber attacks. Responsibility also covers setting up national crime case management for law enforcement agencies, offender management system with electronic monitoring. In addition, heading digital forensic investigations for cyber crime and terrorism. Security compliance assessment of International ports and harbors under the UN ISPS code.

### **Atos Origin Middle East, Bahrain Technology Director (1/05-12/05)**

to launch new businesses in the Middle in the domain of e-government and cyber security. Acted as a cyber security advisor for the public sector of KSA (MOI's Portal). Evaluation of the functional Specifications of KSA Automated Fingerprint Identification System (AFIS) and Crime case management system for Law Enforcement, including Portal training. Responsibilities also include building relationship

with security and telecom vendors for product testing and benchmarking. Participated in writing technical specifications for the large proposals for e-Governments, Security networks, Electronic Monitoring, and system Capacity Planning. Qualifications for Seaports and international ships for ISPS code compliance. Set up Standards and Procedures for to enhance marketing strategy of the company.

**International Consulting Group, Stamford CT (1983-4/03) Managing Director**

Key global engagements with national and international clients, stretching over twenty five years:

**Engagement with Cosgrove Consulting, Los Angeles, CA (3/02-6/02)**

Participated in the litigation and expert arbitration of a fraud case for an international bank, to provide data crime evidence to court. Case ruled in favor of bank.

**Engagement with Egypt Cyber Center, Cairo Egypt (10/01-2/02)**

Lead effort to develop business portal for B2B, and retail banking for data center. Reviewed performance of Data Center including infrastructure, middleware, and consolidation of national data repositories for healthcare and government payroll. Business Continuity was included as well.

**KPMG Consulting, e-Commerce National Director, New York (1/00-9/01)**

- As a director leading the E-Business solutions practice at national and global levels, the major focus was on getting highly visible engagement with Fortune 100 companies.
- Spearheaded a business development of a 40 million dollar initiative in the Middle East. Implemented technologies included: wireless, smart cards, Vertical exchanges and E-learning.
- Directed architecture and deployment of a business portal for Novartis pharmaceutical in New Jersey, to consolidate clinical trials data using Meta Directories Services.
- Lead a project proposal for Bristol-Meyers Squibb to develop a consumer web-enabled marketing campaign automation system.
- Proposed an E-strategy and B2B prototype for First Union Bank in Charlotte NC, to provide real-time financial chain for major commercial clients. On-line bill and presentment, bill payment, and foreign exchange were some of the features of the portal.
- Member of the management team to set up an enterprise-wide portal for Goldman Sachs in New York. Technical skills were offered in hardware sizing, site architecture/cost, security, Oracle scalability assessment and performance prediction
- Direction of the Architecture blueprinting and infrastructure deployment for secure WAP-enabled mobile applications for Nextel in DC.
- Directed the Security requirements and architecture for a multi-bank consortium. Effort included the deployment of PKI and Certificate Authority technology.
- Formulated an E-Commerce strategy and implementation plan for a Credit Card payment processing company in Egypt for POS vendors. Developed technical specifications for B2B e-payment, CRM solution, digital assets management, Import/Export exchanges for different vertical markets.

**Engagement: Protocol Communications Call Center, Cheshire CT (8/99-1/00)**

Evaluated present architecture of the national call center and formulated an E-Commerce strategy to add Siebel's CRM solution. E-strategy included WAP Unified Messaging functionalities.

**Engagement: Danbury Hospital, Danbury, CT (6/98-8/99)**

Developed an e-transformation plan to link hospital's legacy systems to a new e-healthcare environment. Directed the development of a web-based Y2K compliance system for hospital's biomedical devices. Architecture of a VPN solution to secure access between the hospital data and affiliated remote clinics.

**Engagement: Connecticut Hospital Association, Wallingford, CT (9/95-6/98)**

Directed the design and development of a secure Web-based Java-enabled Y2K Biomedical Devices Compliance Exchange for member hospitals. Heading the Technology Lab to benchmark new technologies for healthcare. Participated in several NIST-funded programs to prototype Secure Information Sharing, Master Patient Index (MPI) engine, workflow in patient treatment, and a full array of CORBA-based and platform independent security tools (Digital certificate, SSL, Cryptography, Biometrics, Smart Cards).

**Engagement: Preferred Emergency Physicians, Mequon, WI (7/92-7/95)**

Directed the design of an ORACLE-based online system to link eight Emergency Departments with a centralized billing system. Co-authored a white paper "*ED of the Future*" as a part of the National Information Infrastructure project (NII).

**Engagement with Price Waterhouse, Los Angeles, CA (12/89-5/92)**

Worked with Fortune 100 companies to direct projects of cost containment, infrastructure and system upgrades for large data center operations, Capacity Planning modeling studies, Contingency Planning projects, and hardware migration and performance optimization.

**Engagement with Syncor Pharmaceutical, Chatsworth, CA (4/88-9/89)**

Developed and presented to the board a new architecture and migration to consolidate several data centers supporting 200 nuclear pharmacies in the US. Migration to a new distributed HP/3000 platform.

**International Contract with Abu Dhabi National Oil Company, Abu Dhabi, UAE (10/86-3/88)**

A company-wide IT re-organization including networking several large data centers to operate in a distributed topology for the country's largest fertilizer company.

**International Contract: International Contract Ministry of Finance and Economy, Kuwait (9/85-9/86)**

A Business Process Re-Engineering study for the Ministry of Finance, to automate paper flow and offer Decision support information to department managers, including connectivity to other ministries.

**Standard Oil of California, San Francisco, CA (2/75-7/85)**

Worked as a senior Analyst/Manager at the Corporate IT as well as at Richmond Refinery. Development of complex manufacturing and engineering systems. Strategic planning, CAD, logistic and transportation systems for oil tankers. Developed a corporate-wide Litigation system to provide anti-trust litigation data in court. Worked at Richmond Refinery to manage control systems.

**Bechtel Corporation, San Francisco, CA (3/70-2/75)**

Designer of an interactive Isometric piping system for Chevron refineries. Various technical assignments with Middle East clients in Egypt, Kuwait and Turkey.

**Control Data Corporation St Paul Advanced Design Lab (9/67-3/70)**

Member of the Advanced design Lab to support Apollo 11 Moon landing Missions.

**Technology Knowledge**

J2EE, JSP, JavaScript, XML, SOAP, ASP, SOA,

Working knowledge in NT and Unix platforms.

Database technologies: Oracle, DB2

CRM Technologies: Siebel E-Business Applications, Netegrity SiteMinder

Healthcare Technologies: HIPPA, HL-7 Data exchange standards

LDAP (X.500) and Digital Certificate Standards (X.509)

Security Tools: Biometrics, Smart Cards and PKI products

WAP technologies

EnCase Computer Forensics System

**Industry Experience**

Public Sector, Banking, Contents & Commerce, Education, Hi-Tech, Law Enforcement, Communications, Healthcare/Pharmaceutical, Manufacturing, Petroleum, Engineering and Construction, Utilities, and Call Centers.

**Academia Experience**

Teaching courses in IT Audit and Compliance, Web Services, Data mining, Business Intelligence, Computer Forensics and Incident Response, including lectures in Counter-cybercrime and cyber terrorism

**Abu Dhabi University, Abu Dhabi, UAE (8-2007 to present)**

Teaching courses in Autonomic Computing, Computer Forensics, e-Business technologies and Security Courses to upper classes, day and night programs

**University Of Bahrain, Manama, Kingdom of Bahrain (2-06 to 12-06)**

Teaching courses in Autonomic Computing, Artificial Intelligence, e-Business technologies and Security Courses to upper classes, day and night programs.

**Quinnipiac University, Hamden CT (8-02-1/04): Faculty Member and Researcher**

teaching Computer Forensics, Web Services, and Software Engineering, Software Comparative Benchmarks courses at Quinnipiac University. Spearheading the effort to set up a Computer Forensics Research Center (CFRC) and partner with 100-Fortune companies, federal and state agencies, to develop An Early Warning Predictive System (EWPS) utilizing “*Smart Vaccine®*” attack-immunity software. CFRI will also provide training and services to support HIPAA initiative and medical institutions, law enforcement agencies, and Law school and computer science students. Writing an E-book with Prentice Hall on “Smart Vaccine®” and Early Warning Predictive System for counter hacking.

**Connecticut State University, New Britain (1/00-9/01)**

As Adjunct professor, developed a series of web-based interactive classes of Oracle and Java. Proposed a campus wide authentication system for students and teachers. Also developed first Student-to-teacher (S-2-T) virtual exchange to facilitate career planning and major selection.

**Golden Gate University, San Francisco, California 1/85-6/95**

Adjunct Professor teaching System Design and Analysis, and Programming Languages

**Publications**

- “*The ED of the Future*” a paper presented at the American College for Emergency Physicians (ACEP) convention in Chicago 1995.
- “*Linking Technology to Enterprise Profitability*” a paper presented at the world Symposium of Ecommerce in Cairo 2001. [http://www.ebd-con.com/Live\\_session.html](http://www.ebd-con.com/Live_session.html)
- “*The Longitudinal Equipment Record (LER)*” a paper for the Advance for Health Information Executives magazine, December 2002. [www.advanceforioa.com/common/editorialsearch/searchresult.aspx?CC=8474&AD=3/3/2003](http://www.advanceforioa.com/common/editorialsearch/searchresult.aspx?CC=8474&AD=3/3/2003)
- “*The Smart Vaccine and the Early Warning Immune System*” a paper and presentation to the Society of America Military Engineers, May 2004, Monmouth NJ.
- A paper in @Health magazine on Medical equipment Reliability <http://www.ehealthonline.org/articles/article-details.asp?articleid=1016&typ=Cover%20Story>
- “*The University of the Future, Academia 2.0*” an article published in The Smart classroom Magazine June 2008.

**Education**

PhD in Computer Science from Yale University  
MS in Operations Research from California State University  
BS Electrical Engineering, Christian Brothers University, Memphis, Tenn  
Member of the Object Management Group (OMG),  
Member of IEEE, and The Computer Measurement Group (CMG),  
Member of the Association for Computing Machinery (ACM),  
Member of The National Society of Professional Engineers,  
Member of the American Association Of University Professors (1999).

**Hobbies**

Member of the Olympic Track team, Mexico City 1968.  
Coaching track team at local High school  
Active Master Runner and marathoner.

**Languages** Very Fluent in Arabic, French, Turkish