

Kenneth R. van Wyk
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Summary

Mr. Van Wyk is a career security technologist specializing in Software Security, Mobile Application Security, Incident Response, and Network Security in production business environments of many of the largest companies in the world. He is a published author of two O'Reilly & Associates books, one of the founders of the Carnegie Mellon CERT/CC, and a frequently invited lecturer on a wide range of security technology topics.

Mr. Van Wyk is a dual citizen of the EU (England) and the USA, and holds a current U.S. Department of Defense TOP SECRET clearance.

Work Experience

KRvW Associates, LLC – 2003 to Present President and Principal Consultant

Responsibilities include:

- *Consulting services*, including: Software security process planning and implementation, system architecture and design analyses, and expert litigation support (including testimony and deposition support).
- *Training services*, including hands-on, multi-day workshops software security, mobile application security, and intrusion detection.

FIRST.org, Inc. – 2006 to Present Member of the Board of Directors and Steering Committee member (an elected position)

Responsibilities include:

- Setting of strategic direction for this non-profit professional organization
- Budget planning and oversight
- Oversight and membership liaison with various member activities, from technical colloquia to annual conference

SecAppDev.org, Brussels, Belgium – 2010 to present Member of the Board of Directors

Responsibilities include:

- Strategic direction and guidance for not-for-profit training activities
- Key negotiator in expanding SecAppDev event to universities outside of K.U. Leuven in Belgium

Computerworld – 2009 to present Columnist

Responsible for writing monthly opinion columns on a myriad of information security and software security topics.

**Carnegie Mellon University Software Engineering Institute – 2004 to present
Visiting Scientist (part-time)**

Responsibilities include:

- Instructor and author for various CERT/CC courses
- Consultant to CERT/CC

**eSecurityPlanet (Jupiter Media) – 2004 to 2009
Columnist**

Responsible for writing monthly opinion columns for eSecurityPlanet's on-line IT Security portal (<http://www.eSecurityPlanet.com>).

Cigital, Inc., Director (part-time), Cigital Labs – 2005 to 2006

Responsibilities included:

- Overall direction and oversight of Cigital Labs' research projects
- Defining a research vision and agenda for Cigital Labs
- Business development of research projects among Cigital's customers and research collaboration organizations

TGS Solutions, Technology Risk Management, Technology Director – 2002 to 2003

Responsibilities included:

- Technical oversight of all work product within Technology Risk Management practice, software tool development and utilization, architectures, etc.
- Project leader on all incident response and litigation support work
- Final quality assurance authority on all client deliverable products
- Spokesperson for TRM practice at conferences, with media, etc.
- On-going pre- and post-sales technical consultation on key client accounts

Para-Protect, Inc., Corporate Vice President, CTO and Co-Founder – 1998 to 2002

Responsibilities included:

- Technical oversight of all work product, software tool development and utilization, architectures, etc.
- Project leader on numerous incident response and other client engagements
- Final quality assurance authority on all client deliverable products
- Company spokesperson at conferences, with media, etc.
- On-going pre- and post-sales technical consultation on key client accounts
- Supervised company's research and development staff and projects
- Held seat on Board of Directors to provide company with strategic guidance

Science Applications International Corporation, Technical Director and Deputy Division Manager (DoD Cleared to TOP SECRET) – 1995 to 1998

Responsibilities included:

- Senior technical project leader on various client engagements, ranging from incident response operations through in-depth client security assessments
- Supervised incident response staff and operations

- Wrote and presented briefings on information security at numerous conferences and symposia

U.S. Department of Defense, Operations Chief, GS-14 (DoD Cleared to TS/SCI(SI/TK/G) SSBI, NATO TOP SECRET) – 1993 to 1995

Responsibilities included:

- Supervised and lead all 24x7 incident response operations for DoD-wide incident response team
- Participated in the development and execution of the DoD's first internal penetration testing program
- Presented security threat briefings to senior DoD civilian and military executive management, as well as at dozens of conferences

Carnegie Mellon University CERT/CC, Technical Coordinator (DoD Cleared to SECRET) – 1989 to 1993

Responsibilities included:

- Technical lead on incident response operations, including interfacing with and providing first level of support to affected client organizations
- Tracked and analyzed software product security vulnerabilities as reported by client organizations
- Assisted product vendor community in validating and correcting reported security vulnerabilities in their products

Lehigh University, Senior Technical Consultant – 1985 to 1989

Responsibilities included:

- Provided technical support to faculty, staff, and graduate researchers on the use of the University's mainframe computing facilities
- Developed and taught computer training seminars for the entire campus community
- Developed software for connecting from campus PCs to campus mainframe computers via the voice/data network

Publications and Related Experience

- 2007, Adapting Penetration Testing for Software Development Purposes, <http://BuildSecurityIn.US-CERT.Gov>, (a Dept. of Homeland Security portal on Software Assurance).
- 2006-present, Elected to Steering Committee for the Forum of Incident Response and Security Teams (FIRST).
- 2005, Training and Awareness, Build Security In, <http://BuildSecurityIn.US-CERT.Gov>.
- 2005, Bridging the Gap Between Software Development and Information Security, Kenneth R. van Wyk and Gary McGraw. IEEE Security & Privacy, September/October 2005.
- 2004-present, Founded, moderate, and host the SC-L Secure Coding Internet mailing list discussion forum.
- 2006-2007, Re-elected to serve on Steering Committee for the Forum of Incident Response and Security Teams (FIRST).
- 2004-present, CERT® Certified Computer Security Incident Handler.

- 2004, Admitted as an Adjunct Faculty Member of The Round Table Group. RTG provides consultation and expert testimony services. See <http://www.roundtablegroup.com> for more details.
- 2003, Co-author of O'Reilly and Associates book, *Secure Coding: Principles and Practices*, ISBN 0-59600-242-4, <http://www.securecoding.org>.
- 2001, Co-author of O'Reilly and Associates book, *Incident Response*, ISBN 0-59600-130-4, <http://www.incidentresponse.com>.
- 2001, Co-author "Corporate Risk Management" chapter of *Data Security and Privacy Law: Combating Cyberthreats* by Kevin P. Cronin and Ronald N. Weikers, Thomson West, ISBN 0-314-10372-4, <http://www.westgroup.com>.
- 1995-1997, Elected to and served on FIRST Steering Committee, including 1 year as the group's Chairperson
- 1988-1994, Founded and moderated the VIRUS-L/comp.virus Internet discussion forum on computer viruses
- Frequently invited speaker at numerous conferences and symposia on such topics as incident response, intrusion detection, security threats, security tools, etc.

Education

Lehigh University, Bachelor of Science in Mechanical Engineering, 1987

Completed additional significant graduate coursework at both Lehigh and Carnegie Mellon Universities in Computer Science and Software Engineering