

**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 spanning a myriad of industry sectors. He is a published author of three popular security 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 US citizen and has held various Department of Defense security clearances (TOP SECRET/SCI). He is also a Distinguished Alumnus of Lehigh University's College of Engineering.

## **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, incident response planning and operations, and expert litigation support.
- *Training services*, including deeply technical, hands-on, multi-day workshops on software security, mobile application security, intrusion detection, threat modeling, and incident tabletop drilling.

### **FIRST.org, Inc. – 1996-1998, 2006 to 2015**

#### **Member of the Board of Directors and Steering Committee (elected terms: 1996-1998, 2006, 2007-2009, 2009-2011, 2011-2013, 2013-2015)**

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.
- Planned and launched various on-going initiatives, including regional symposia events and FIRST standardization program.

### **SecAppDev.org, Leuven, Belgium – 2010 to 2018**

#### **Member of the Board of Directors**

Responsibilities include:

- Strategic direction and guidance for not-for-profit training activities.
- Participation as Faculty Member at annual events since 2005.

## **IANS Research – 2015 to present**

### **Faculty Member**

Responsibilities include:

- Monthly opinion column/blog.
- Delivering technical sessions in on-going IANS Fora, Symposia, and other events.
- Direct client consulting engagements.
- Delivery of ongoing “Ask An Expert” engagements on a broad spectrum of technical topics with IANS customers, both in writing and in hour-long phone conversations.
- Subject matter expert whitepaper authoring.

## **Computerworld – 2009 to 2016**

### **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), DoD cleared to TOP SECRET**

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, NATO TOP SECRET) – 1993 to 1995**

Responsibilities included:

- Supervised and lead all 24x7 incident response operations for 30 person DoD-wide incident response team.
- Technical lead 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**

- 2015, Selected as a distinguished alumnus, Lehigh University P.C. Rossin College of Engineering and Applied Science, <https://engineering.lehigh.edu/alumni/kenneth-van-wyk>
- 2014, Lead author of *Enterprise Software Security*, Addison-Wesley, ISBN 978-0321604118, December 2014.
- 2007, Adapting Penetration Testing for Software Development Purposes, <http://BuildSecurityIn.US-CERT.Gov>, (a Dept. of Homeland Security portal on Software Assurance).
- 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.
- 2004-2015, Founded, moderated, and hosted the SC-L Secure Coding Internet mailing list discussion forum.
- 2004-2010, 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>.
- 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