

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Emmanuele Zambon**
E-mail emmanuele.zambon@securitymatters.eu
Nationality Italian
Date of birth 27/11/1980
Gender male

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>01/2011 -</p> <p>Chief Technology Officer</p> <ul style="list-style-type: none"> ▪ Responsible for product design and development ▪ Supervision of a development team (5 developers) ▪ Coordinator of activities and tasks within national and international research projects
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>SecurityMatters BV</p> <p>Software development for IT security</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>04/2005 – 08/2006</p> <p>IT consultant for Telecom Italia SpA</p> <ul style="list-style-type: none"> ▪ Technical and Architectural consulting, design of distributed architectures for accessing telephone traffic data. ▪ Analysis and testing of data loading processes into a telephone traffic database. ▪ Analysis and testing of a JAVA/STRUTS-based web application for accessing large amounts of telephone traffic data. ▪ Analysis and testing of integrated telephone traffic post processing systems.
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>ValueTeam SpA</p> <p>IT consulting</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>09/2003 – 09/2004</p> <p>IT security consultant</p> <ul style="list-style-type: none"> ▪ Penetration tests (ethical hacking) ▪ Risk assessment ▪ IT Audit support ▪ Design and building of Intrusion Detection Systems ▪ Application develop on the J2EE platform
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>KPMG Italy SpA</p> <p>Consulting</p>

Dates	01/2003 – 08/2003
Occupation or position held	Software developer
Main activities and responsibilities	Design and development of software for real estate organizations.
Name and address of employer	Freelance
Type of business or sector	IT consulting

Education and training

Dates	09/2006 – 01/2011
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Information Risk Management, with a specific focus on availability planning
Name and type of organisation providing education and training	University of Twente (Enschede, the Netherlands)
Dates	11/2009
Title of qualification awarded	-
Principal subjects/occupational skills covered	Advanced SCADA Security Red/Blue Team
Name and type of organisation providing education and training	Idaho National Laboratory (Idaho Falls, USA), sponsored by the Department of Homeland Security
Dates	07/2008
Title of qualification awarded	BCS Professional Certification in Information Risk Management (PCIRM)
Principal subjects/occupational skills covered	ISO 27000 standard series
Name and type of organisation providing education and training	BCS, The Chartered Institute for IT (London, UK)
Dates	10/2002 – 03/2005
Title of qualification awarded	MSc
Principal subjects/occupational skills covered	Computer Science
Name and type of organisation providing education and training	Ca' Foscari University (Venice, Italy)
Dates	09/1999 – 09/2002
Title of qualification awarded	BSc
Principal subjects/occupational skills covered	Computer Science
Name and type of organisation providing education and training	Ca' Foscari University (Venice, Italy)

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (*)

English

Dutch

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Advanced user	C2	Advanced user	C2	Advanced user	C2	Advanced user	C2	Advanced user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Team cooperation/leading experience acquired both during the two years CTO experience at SecurityMatters and over 10 years experience as a guide/animator in different non-for-profit youth movements.

Organisational skills and competences

Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)

Technical skills and competences

Advanced knowledge of IT security and Industrial Control Systems security acquired during university studies, research, training courses and practice in the industry

Computer skills and competences

C/C++ and Java programming languages, networking, Oracle and Postgres DBMS acquired during university studies and practice in the industry

Other skills and competences

Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)

Publications

- Hadžiosmanović, D. and Simionato, L. and Bolzoni, D. and Zambon, Emmanuele and Etalle, S. (2012) N-gram Against the Machine: On the Feasibility of the N-gram Network Analysis for Binary Protocols. In: Proceedings of the 15th International Symposium on Research in Attacks, Intrusions and Defenses (RAID 2012), 12-14 Sep 2012, Amsterdam, The Netherlands. pp. 354-373. Lecture Notes in Computer Science 7462. Springer Verlag. ISSN 0302-9743 ISBN 978-3-642-33337-8
- Zambon, Emmanuele and Etalle, S. and Wieringa, R.J. (2012) *A²thOS: availability analysis and optimisation in SLAs* International Journal of Network Management, 22 (2). pp. 104-130. ISSN 1055-7148 *** ISI Impact 0,323 ***
- Kolesnichenko, A.V. and de Boer, P.T. and Remke, A.K.I. and Zambon, Emmanuele and Haverkort, B.R.H.M.(2011) *Is Quantitative Analysis of Stuxnet Possible?* In: QEST 2011: Fast Abstracts, 5-8 Sep 2011, Aachen, Germany. pp. 9-10. CTIT Workshop Proceedings WP11-03. Centre for Telematics and Information Technology University of Twente. ISSN 0929-0672
- Zambon, Emmanuele (2011) *Towards Optimal IT Availability Planning: Methods and Tools*. PhD thesis, University of Twente. CTIT Ph.D.-thesis series No. 10-188 ISBN 978-90-365-3102-3
- Zambon, Emmanuele and Etalle, S. and Wieringa, R.J. and Hartel, P.H. (2011) *Model-based Qualitative Risk Assessment for Availability of IT Infrastructures*. Software and Systems Modeling, 10 (4). pp. 553-580. ISSN1619-1366 *** ISI Impact 1,269 ***
- Morali, A. and Zambon, Emmanuele and Etalle, S. and Wieringa, R.J. (2010) *CRAC: Confidentiality Risk Assessment and IT-Infrastructure Comparison*. In: Security & Privacy Silver Linings in the Cloud, 25th IFIP International Information Security Conference (SEC 2010). Springer Verlag.
- Morali, A. and Zambon, Emmanuele and Houmb, S.H. and Sallhammar, K. and Etalle, S. (2009) *Extended eTVRA vs. Security Checklist: Experiences in a Value-Web*. In: 31st International Conference on Software Engineering - Companion. IEEE Computer Society Press.
- Morali, A. and Zambon, Emmanuele and Etalle, S. and Overbeek, P. (2008) *IT Confidentiality Risk Assessment for an Architecture-Based Approach*. In: Third IEEE International Workshop on Business-Driven IT Management. IEEE Computer Society Press.
- Zambon, Emmanuele and Bolzoni, D. and Etalle, S. and Salvato, M. (2007) *A model supporting Business Continuity auditing & planning in Information Systems*. In: Second International Conference on Internet Monitoring and Protection (ICIMP). IEEE Computer Society Press
- Zambon, Emmanuele and Bolzoni, D. and Etalle, S. and Salvato, M. (2007) *Model-Based Mitigation of Availability Risks*. In: Second IEEE/IFIP International Workshop on Business-Driven IT Management. IEEE Computer Society Press.
- Bolzoni, D. and Zambon, Emmanuele and Etalle, S. and Hartel, P.H. (2006) *Poseidon: a 2-tier Anomaly-based Network Intrusion Detection System*. In: 4th IEEE Int. Information Assurance Workshop (IWIA2006). IEEE Computer Society.