

Personalia:

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Date & place of birth: 16-12-1947, Słupsk, Poland
Dutch citizenship since 1991



Profile:

Senior **industrial** experience in three areas:
Software Engineering
System Validation and Testing
Video Processing

Academic background in research and teaching in Mathematics and Physics.
Flexible, multi-disciplinary experience, eager to learn, team player.

Hobby: Music (playing flute), translation work, gardening, active sport: skiing, swimming.

Education:

Period:	Study:	Diploma:
1971 – 1974	Post-graduate study Polish Academy of Sciences	Yes (Ph.D. Mathematics)
1965 – 1970	Physics, University Of Warsaw	Yes (M. Sci. Physics)
1961 – 1965	Lyceum XXXVII, Warsaw	Yes (" Matura" Certificate)

Relevant Technical, Management, and Personal Skills Courses:

Period:	Subject:	Institution:
2008	SP-VS 1b (Video Signal Processing) (Certified) (10d)	Philips CTT
2008	Managing Successful Projects NX4.2 (3d)	NXP Academy
2008	Negotiation Skills NX1.1 (2d)	NXP Academy
2006	ISEB Practitioner (Certified) (9d)	Improve QS
2006	VCODING – digital signal processing and coding (4d)	Philips
2005	TV-VSP video signal processing	Philips
2005	ISEB Foundations (Certified) (4d)	Philips/Improve QS
2005	ATSC basics	Philips
2004	TV Principles	Philips
2004	TV system architecture	Philips
2003	EXARCH - Execution Architecture	Philips
2003	Jaguar TV Platform	Philips
2003	LCD Technology	Philips
2002	SARCH – System Architecture	Philips
2001	Philips CE Introduction	Philips
2001	MG-R - TV Software Component Model	Philips
2000	Continuus CM – Build Manager	Philips (QA-Systems)
2000	Continuus CM – Developer	Philips (QA-Systems)
2000	Configuration Management Eppo	IBM
2000	Business Correspondence in Dutch (1 year)	Schoevers
2000	Project Management Fundamentals (Certified)	IBM
1999	Windows CE	IBM
1999	TPD Technical Documentation	Philips
1999	Lotus Notes	IBM
1999	Efficient Communication	IBM
1999	Consumer Relationship Management	IBM
1998	ORACLE RDBMS Concepts	IBM

1998	Project Quality Plan	IBM
1998	<u>Commercial Awareness</u>	IBM
1997	Advanced Delphi	IBM
1997	<u>JAD Facilitator</u>	IBM
1997	<u>DSM and RAD for Experienced System Dev.</u>	IBM
1996	META Tool	AT&T
1996	<u>TMap Test Management</u>	TMap
1993	<u>Pattern Recognition (1/2 year)</u>	TU Delft
1993	<u>Image Processing (1/2 year)</u>	TU Delft

Languages:

	Speaking	Reading	Writing
Polish	- native speaker -		
Dutch	very good	very good	good
English	very good	very good	very good
Russian	good	very good	satisfactory
Spanish	basic	good	basic
French (technical)	basic	good	basic

Specific knowledge and experience:

Related to Software Development:

- All through Software Engineering – from Architecture, Design, Documentation, Coding and Validation
- Computer languages and libraries: C, C++, Objective C, Java, JAVAFX, C#, Visual Basic, OpenGL, Cocoa Touch
- Other languages: HTML, XML, Java, Pascal, Prolog, Lisp, Mathematica, TCL scripting, OpenGL, DirectX
- Analysis and Design methods: Object Oriented (UML) – Rational Rose, SD (Goma), Yourdon, Hatley-Pirbhai, component based design MGR Koala (Philips)
- Operating systems and platforms: Windows, iOS, UNIX/Linux/Solaris, Server 2003, pSOS+, CMX, OS-9, Windows CE, Nucleus+, TASS Kernel, ONTAP (NetApp) data server
- Tools:
 - Windows tools and applications (Visual Studio), iOS SDK XCode, UNIX tools, Eclipse, NetBeans
 - Debugging tools and emulators (e.g. Lauterbach), Quality tools (QAC),
 - CASE tools (**Rational Rose**, Select, Paradygm+), MetaTool (code generation), NetObjects Fusion, Matlab
- Application Domain:
 - Digital Video and Image processing, TV systems
 - GUI and system control interface design
 - Pattern Recognition Methods

Related to TESTING:

- ISEB Foundations and Practitioner Certificates
- TMap course
- Test, Validation, Build and Integration roles in a number of projects in IBM, Philips and NXP
- Requirements Management and Risk Based testing methods
- Test tools and test automation in consumer electronics projects
- Test environment for embedded systems: emulators, simulation
- Code analysis and evaluation with metrics – test code coverage tools
- Test Architecture and design for testability
- Technical lead of a test team
- Management skills – as the Video Lab Manager: including software for infrastructure, analysis and test and evaluation environment for TV Research of NXP.
- TV and Video Systems knowledge – expertise in Picture Quality and video Processing.

Work experience:

- Period:** **11-2010--present**
Softest: Free-Lance consultancy in Software Design:
Pilot and prototype projects for iOS (iPad/iPhone) and Android based mobile applications, for B2B en consumer market.
The most recent projects: Domotica and iBeacons technology, **iOS apps available via App Store**;
Development of interactive GUI with 3D effects, developed under OpenGL, in C++, Objective-C and Java.
Client-server applications on Linux and Apache servers, web site design for user interaction with a database, PHP, Java, JQuery, HTML.
- Period:** **02-2013 – 04-2013**
PNA Group
Case study Graphic Interface to Knowledge Systems: JavaFX.
- Period:** **01-07-2007 – 01-05-2010**
Functions: Video Lab Manager
Company/Division: **NXP Semiconductors Research, Dept. Systems and Algorithms**
Most important tasks: Creation and Management of Video Lab and Infrastructure supporting research projects in the domain of Video Processing – budget > 300K €. Leading software projects for supporting tools and applications. Department IT support.
- Period:** **01-10-2003 – 01-07-2007**
Functions: Test Architect and Senior Software Designer
Company/Division: **NXP Semiconductors ICE (former Philips Semiconductors)**
Most important tasks: Technical Lead for Software Test & Integration team for Digital TV systems. Expertise in customer support in picture quality and video processing – China, India, Europe.
- Period:** **01-01-2001 – 30-09-2003**
Functions: System Designer / Architect/ Test Architect
Company/Division: **Philips Electronics** - Consumer Electronics (ASA Lab, BCT High-End TV)
Most important tasks: Embedded system design, implementation and validation for Flat TV. Project leading for particular system functionality and upgrade. Project leading for Automated Build & Validation system.
- Period:** **1996 – 2000**
Function: Consultant/Senior IT Specialist
Company/Department: **IBM Global Services (from October 1997 time-hired by Philips CDS – LCD Projectors, Philips BTS – Professional TV Camera)**
Most important tasks: Embedded software design and validation. Software Team leading for external customers. Build and Configuration Management. Quality System Tools and CASE Tools for internal IBM customers
- Period:** **1994 – 1996**
Function: Senior Software Specialist
Company/Department: **PTS Software (Time hired by Holland Signal Communications and AT&T)**
Most important tasks: Development and specification of telecommunication control systems
- Period:** **1992 – 1994**
Function: R&D Consultant
Company/Department: **Opticon Sensors Europe B.V.**
Most important tasks: Pre-concept and applied research on embedded optoelectronic systems.
- Period:** **1970 – 1992**
Function: Range of academic positions up to Assistant Professor (Universitair Docent) and Research Associate
Institution/Department: **University of Warsaw; Polish Academy of Sciences ; Eindhoven and Delft Universities of Technology; University of Toronto** [Faculties of Physics, Mathematics and Computer Sciences]
Most important tasks: Research in Computer Sciences and Software Engineering, Artificial Intelligence, Expert Systems, Logical Languages, Modelling, Research in Mathematics and Mathematical Physics
Teaching of Computer Sciences, Logics and Mathematics
Ph.D. degree in Mathematics (1977)

REFERENCES

Ir. Erik Lambers , Director of R&D, FEI Company, Eindhoven, erik@lammers-bauhuis.nl

Ir. Onno Eerenberg, Senior Scientist, Tridentmicro Europe BV; +31 880117740,

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