Curriculum Vitae

Matt Verhaegh

Project manager - Quality manager - Process consultant

Matt Verhaegh has a university master degree Electronics. He has a very broad knowledge and experience in the area of system / software development and quality management, especially in the High Tech, Medical Device, Semiconductor and Automotive industry.
He was assigned for 25+ years to most roles: project management, subcontract management, quality management, QA and process improvement, multi-site technical coordination, integration and test management, requirements engineering, global- & detailed designs, coding, test management.

Matt is capable to play a leading role in (development / improvement) projects, execute analysis and project audits, define & implement processes, execute QA and regulatory & compliance audits.
Strong personal characteristics are: very result driven approach, pragmatic, good communication skills, innovative, **commit**ment and dedication to the job, finish-mentality.

Finally, to mention is his role in the Dutch Software Process Improvement & Quality Management community "SPIder": Matt is board member since 2010 and chair since October 2011.

Summery of project experience:
- First 3.5 years Research
- 10 years (software) development (several roles)
- 15 years project management, consultancy, process improvement, quality management, QA

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Personal information

Name	ir. M.J.Verhaegh (Matt)
Birth date	12 juli 1958
Address and City	Kuijperlaan 8 5725BL Asten-Heusden (N.B.) The Netherlands
Possible functions	Project manager, consultant, process improver, quality manager, quality officer, (CMMI) auditor, project support officer, trainer, coach
Work experience	PTT Research from 1984, BSO/Origin from 1989, self-employed from 1999
Legal status	Self-employed since 1999; BV (Ltd, GmbH) status since 2002
Languages	Dutch, English and German fluently, French modest
Private	Married, 3 children
Hobbies	Astronomy, sports, coaching youth club electronics

Study / courses

name	Institute	Passed in
Scaled Agile FrameWork (SAFe)	Philips interne workshop	2014
Agile and Scrum	Van Spaandonk & Koks	2011
Prince2	Klein Consultancy Belgium	2006 / 2009
Process Improvement CMM & CMMI	Philips-CTT, Key Consult	1996, 2002
Microsoft Programming overview, UML, RUP	Twice IT Training	1999
Microsoft Project	Randstad opleidingen	1999
Continuus user's course	QA Systems	1998
Carreer development	Origin	1998
Communication styles	GITP	1998
Object Modelling Technique (OMT)	ISIS	1996
Psychology of performance	MetaVisie	1995
Result driven advising	Schouten & Nelissen	1994
Information planning	Cap Volmac	1994
Technical and Logical Database Design	ISES	1994
Project management	NOVI, Schouten & Nelissen	1989/1991
Yourdon Real-Time Analysis and Design	Yourdon Corporation	1989
Data communications & Standards	Washington University	1985
Engineer Masters Electronics	Technical University Eindhoven	1984

Various

- Chair of SPIDER (Software Process Improvement network in The Netherlands): http://www.st-spider.nl
- Member of Astronomy club Asten: www.sterrenwachtasten.nl
- Coach of youth electronics club: www.comm-it.nl/elektronicaclub

Publications

- Unicom conference, November 2012: Process improvement on an Agile way
- SPIDER conference 2009 " Efficient & effective process definitions"
- Overview courses on "project and process management" 2002
- Article + presentation "Software subcontracting in 10 steps" in technical magazine PT Embedded Systems, Oct. + Dec 1999
- Presentation "Digital image communication between medical systems (DICOM)" at VMBI
- NATO-article "LAN versus ISDN",

Summary of knowledge & experience

Area	Item	Number of years experience	Last experience year
General	Project management	10	2014
	Quality management, certification, Process improvement, QA	8	2014
	Advice	6	2014
	Subcontract management	4	2008
	Requirements, Specifications	5	2006
	Architecture, design	5	1997
	Programming	6	1997
	Testing, test management	5	2011
	Secondment management & HRM	2	2003
	Training	1	2006
Branches	Medical industry	7	2013
	Automotive	5	2012
	Semiconductors	4	2011
	High Tech systems	7	2014
	Training	1	2006
	Telecommunicatie	3	1987
Standards	ISO9001, CMM(I), SPI, QA, SCAMPI, ITIL, Automotive SPICE, ISO TS16949, ISO13485, 21CFR820, MDD, CAPA, Process Validation (IQ OQ PQ), Lean Six Sigma	>10	2012
Methods & Techniques	Product Creation Proces, BCaM, SystemsMgt	>10	2014
	PROMPT, PRINCE2, PMBOK, Agile, SCRUM	6	2014
	8D root cause analysis, Hazard analysis, 4BL, Pareto,	1	2014
	Data modellering (OTO-D, ERD, normalisatie)	2	1997
	Yourdon, Hatley & Pirbhai, UML, OMT, OO, RUP	7	2008
	Test management, TMap (Next)	1	2012
Applications	MS-Office, OpenOffice, Visio, FrameMaker, SharePoint	>10	2014
	MS-Project, PMW, Carity (Niku)	7	2014
	PDM / PLM: Agile, TeamCenter, Impulse	2	2012
	CM Synergy, SCCS, CVS, VSS, Continuus, ClearCase	7	2014
	Change Synergy, DDTS, TeamTrack, Mantis	7	2011
	DOORS, Requisite Pro, IRQA	1	2011
Technical experience	Programming languages: C, Pascal, CHILL, Scripting	7	1999
	Netwerks & protocols: Medical standards DICOM, HL7, OSI, TCP/IP, HTML	5	2006
	Databases: Oracle, Sybase, Usoft 4GL CASE tool, SQL	3	2004
	Operating systems: Windows, DOS, Unix, Real-time OS	>10	2012

Overview of executed projects

Per project is given:

- role of Matt Verhaegh,
- company,
- period,
- achieved result,
- and the gained experience.

The most important project (full-time assignment during a longer period) are underlined.

R&D Quality Project Lead (QPL)
Philips Lighting –Connected Lighting systems (hue) Sept '13 – current
Matt is the System / Software QPL for a number of projects. He initiated, defined & deployed also numerous development processes, also towards factory (Software Release Management).
Experience with PCP, NPI, Quality Test Plan (QTP), and Embedding Agile into classical Waterfall development.

R&D Project Manager & Quality Project Lead (QPL)
Philips Consumer Lifestyle Feb '13 – Aug '13
Matt was the internal project manager leading the development team towards Commercial Release. It concerned a medical pain relief device. Matt played also a Quality Project Lead (QPL) role for a "connected product": development of a video baby phone connected to the internet and smartphone.

R&D Improvement Project Management & Quality Engineer
Philips Healthcare – BU MRI – R&D and Operations Apr '11 – Jan '13
Matt has realized an improved R&D process structure and process ownership, improved project management and configuration management process.
Matt has executed the Process Validation of a new MR system (QA-Plan, process FMEA & mapping, PQ). Also CAPA resolution, DHR record improvements, and Operations analysis & improvements.
Experience with ISO13485, FDA, MDD, CMMI, Lean Six Sigma, PLM, multi-site, multidisciplinary development.

Performance Improver
Punch PowerTrain – Belgium (automotive) Feb '12 – Oct '12
Matt has defined & implemented an aligned Project Reporting and Model Based Configuration Management.
Scope was the R&D Performance Improvement Program (a combined Agile / CMMI approach).

Development project auditor
TMC – Thetford (equipment development & production) Jan '12 – Feb '12
Matt has executed a project audit & defined recommendations for a running product development project (refrigerator development). Experience with electronics, software, engineering, production.

QA officer, process improver, team lead
NXP Semiconductors – BU Automotive (chip industry) Oct '10 – Mar '11
Matt has executed QA on a number of projects (audits, milestone passing, advising). He has also realized an aligned process on system engineering and test software.
Experience with ISO9001, TS16949, QA, BCAM development model, CMMI level 3 (null) assessments.

Project manager, project support & QA officer
Philips Corporate HRM Feb '10 – Jan '11
Matt has setup an aligned project management office, coordinated projects and executed QA on a project developing a HRM Reporting System. Some experience with Business Intelligence, Data Warehousing, and Data Definitions.

Quality manager
Mapscape BV (automotive data processing services) Nov '08 – Sep '10
Matt was the main contributor to an ISO 9001 compliant Quality Management System. He has deployed it to the teams and guided the KEMA audit.
Experience with ISO9001, certifying, process improvement according to ISO TS16949 and ISO/IEC 15504 model.

Process consultant
ING (Bank) Sep ’09 – Dec '09
Matt has contributed to CMMI level 2 improvements on the KPI CM and PP, PMC.

Process consultant, 8D lead
NXP Semiconductors (chip industry) Jun ’06 – Sep ‘08
Matt has executed QA for 2 product lines. He was the lead in an 8D root cause analysis project, and contributed to process improvement. Experience with QA, 8D, CMMI, BCAM, engineering IT, ITIL service.

Internal project lead
Centric TSolve / Visteon (Automotive) / VW Oct ’05 – May ‘06
Matt has written the tender and project plan for a new generation “Car Infotainment Systems” and coordinated the project internals. Experience with tendering, off-shoring, ISO 9001 + TS16949 standards, multi-site.

Project lead, Subcontract manager
Philips Medical Systems (PMS) Jan ’05 – Jul ‘05
Matt has realized with his project team and subcontractor an improved Service Tool.
Experience with Content Management, XML.

Liaison Officer, Project lead
Siemens-VDO (Automotive developer of navigation systems) May ’03 – Feb ‘05
Matt was the central coordinator of a multi-site navigation application development project. He was also the lead for a set of innovation projects.
Experience with test management, multi-disciplinary (HW-SW) architecture, ISO TS16949, IDL, Change Synergy.

Project manager, subcontract manager
Philips Medical Systems (PMS) Mar '01 – Apr ’03
Matt was the project manager of a RIS development project (Radiology Information System). He also managed the 3 subcontractors. Result was the first version of the RIS system, implemented in 2 hospitals.
Experience with multi-site product development, crisis management, database systems (Oracle), ISO13485, CMM, test management.

QA officer, SW Process Improvement
Philips Consumer Electronics Feb ’00 - Mar '01
Matt has executed QA on two Top projects: SACD and DVD-Recorder. Experience with multi-site product development, CMM, SPI.

Trainer
Twice IT Training Sep '99 - Feb ‘00
Matt has developed & presented a number of courses: Structured Analysis & Design (SASD), software engineering (SE) concepts, C-programming, subcontract management.

Software project lead
Assembleon (developer electronics machinery) May '99 - Dec ‘99
Matt has setup & executed a project to port the control software of a Pick-and-Place machine (OS/2 to Windows NT). Main work was done by a subcontractor. Experience with subcontract management, CMM, PCP, QA, Continuus.

Field manager & Resource manager
BSO AtosOrigin (software house) Aug '97 - Apr ‘99
Matt has coached software engineers during development projects at customers. He executed also HRM tasks.
Experience with coaching, HRM, career development, ISM3, appraisals.

Technical consultant
ASML (Semiconductor stepper/scanner development) Oct '97 - Apr ‘99
Matt has setup & coordinated the subcontracting of a number of software modules. Result was the improved User Interface, Software Layout, and Error Handler components successfully integrated.
Experience with requirements management, feasibility study, technical coordination, architecture, MS-Project, SUN,

Connectivity & interoperability consultant
Philips Medical Systems (PMS) May '94 – Sep '97
Matt has implemented a pilot DICOM connectivity application. He was consultant to other BU's to apply the new DICOM standard. He defined DICOM definitions and wrote Conformance Statements. Experience with the DICOM standard, data modeling, system development, ISO13485, SUN, Database CASE-tool (Usoft), SQL, Oracle, MS-Project, Internet, test tooling.

Consultant
MedTronic (medical equipment) Feb '94 -Mar '94
Matt has executed an analysis on a PC/Network helpdesk and proposed a new organization.

Software developer & team lead
Draeger (medical equipment) Sep '92 - Jun '93
Matt has developed a number of software modules of a patient monitoring system. He was also a team lead for a subsystem. Experience with specification, design, implementation, test, MS-Windows, Borland C++ for Windows.

Software developer
Philips + DEC (office systems) Mar '90 - Jun '92 and Jul '93 - Feb '94
Matt has developed a number of software modules of a big workflow management system. Experience with specification, object oriented design, implementation, test, Yourdon, SUN, Unix, C, Sybase, embedded SQL.

Software developer
Stork Brabant (developer of industrial machines) Aug '89 - Feb '90
Matt has developed the machine control of a big industrial textile paste system. Experience with control software, Unix, C, M68000, ERM.

Software developer
BTS – Breda (Bosch – Philips, professional systems) Jan '89 - Jun '89
Matt has developed the remote control software module for a DTV camera system.
Experience with data communication, C, Ethernet-drivers, Yourdon, and 80188.

Software developer
Philips – Nederland (services, building automation) Jan '88 - Dec '88
Matt has developed a number of software modules for a building management system. Experience with the data acquisition, reporting, MicroVAX, Unix, Informix.

Data Communications researcher
PTT Research Lab (Telematics lab in Leidschendam /Den Haag) May '84 - Nov '87
Matt contributed to the standardization of Data Communications: OSI, X.25, ISDN. He has also implemented a pilot OSI protocol stack. Experience with standardization OSI-based protocols via CCITT, software prototyping, DEC VAX, CHILL, SDL.