

# Curriculum Vitae

## Matt Verhaegh

### Kwaliteitsmanager - Proces consultant - Project manager

Matt Verhaegh heeft de universitaire opleiding Elektrotechniek doorlopen. Hij beschikt over een zeer brede kennis en ervaring op het gebied van de systeemontwikkeling en proces / kwaliteitsmanagement; 25+ jaar ervaring met vele facetten van ontwikkeling van (high tech) systemen: projectleiding, uitbesteding, kwaliteitsmanagement, produktkwaliteit, procesverbetering, Q&R en QA, eisen, globaal- & detailontwerp, software-ontwikkeling, test management.

Matt is in staat een leidende rol te spelen bij kwaliteitsborging, ontwikkelprocessen te definiëren, QMS, regulatory & compliance, (software) ontwikkelprojecten, analyses.

Sterke persoonlijke kenmerken zijn resultaatgedrevenheid, goede communicatievaardigheden, commitment, pragmatisch, afmaakmentaliteit.

Resume van projectervaring:

- De eerste 3,5 jaar Research (datacommunicatie)
- 8 jaar ontwikkelervaring (diverse rollen)
- 20 jaar kwaliteitsmanagement, procesverbetering, projectmanagement, advisering



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## Personalia

Naam	ir. M.J.Verhaegh (Matt)
Geboortedatum	12 juli 1958
Adres en woonplaats	Kuijperlaan 8 5725BL Asten-Heusden (NB)
Mogelijke functies	Quality manager, process improver, Project manager, consultant, auditor, trainer
Werkervaring	PTT Research vanaf 1984, BSO/Origin vanaf 1989, zelfstandig vanaf 1999
Juridische status	Zelfstandig ondernemer sinds 1999; BV status sinds 2002
Talen	Nederlands, Engels en Duits vloeiend, Frans beperkt
Prive	Getrouwd, 3 kinderen
Hobbies	Bestuursfuncties, SPIDER, sterrenkunde, sport

## Opleidingen

naam	instituut	afsluiting
Scaled Agile FrameWork (SAFe)	Philips interne workshop	2014
Agile and Scrum	Van Spaandonk & Koks	2012
Prince2	Klein Consultancy Belgium	2006 / 2009
Medical Regulatory standards	Process Vision	2005
Process Improvement CMM & CMMI	Philips-CTT, ASML / Key Consult	1996/ 2002
Microsoft Project	Randstad opleidingen	1999
Loopbaanontwikkeling	Origin	1998
Communicatiestijlen	GITP	1998
Modelling Techniques	ISIS	1996
Psychologie van de prestaties	MetaVisie	1995
Resultaatgericht adviseren	Schouten & Nelissen	1994
Informatieplanning	Cap Volmac	1994
Technisch en Logisch Database Ontwerp	ISES	1994
Projectmanagement	NOVI, Schouten & Nelissen	1989/1991
Yourdon Real-Time Analysis and Design	Yourdon Corporation	1989
Datacommunications & Standards	Washington University	1985
Ingenieursopleiding Elektrotechniek	Technische Universiteit Eindhoven	1984

## Diversen

- Voorzitter van SPIDER (Software Process Improvement & Kwaliteitsmanagement Nederland): <http://www.st-spider.nl>
- Voorzitter van Sterrenwacht Asten: [www.sterrenwachtasten.nl](http://www.sterrenwachtasten.nl)
- Pecha Kucha Peelland organisator: <http://www.pechakuchapeelland.nl/>

## Publicaties

- UNICOM conference Amsterdam nov. 2012: process improvement on Agile way
- SPIDER conferentie 2009 artikel " Efficient & effective process definition in 7 steps", 2009
- Overzichtscursussen "project en proces management" , 2002
- Artikel "Software uitbestedingen: hoe doe je dat?" in PT Embedded Systems, okt. 1999 + presentatie "Subcontract management according to CMM", Microcentrum themadag 9 dec. 1999
- Presentatie "Digitale beeldcommunicatie bij medische systemen" voor VMBI, 1995
- "Richtlijnen voor opdrachtmanagement" en "Implementatie van communicatieprotocollen", 1994
- NATO-artikel "LAN versus ISDN", 1990

## Resumé van de kennis & ervaring

Gebied	Item	aantal jaren ervaring	laatste ervaringsjaar
<b>Algemeen</b>	Kwaliteitsmanagement, certificering, procesverbetering, kwaliteitsborging	10	2018
	Advies (kwaliteit, verbetering)	6	2018
	Projectmanagement	10	2015
	Subcontract management	4	2008
	Management van eisen, specificaties	5	2006
	Architectuur, ontwerp	5	1997
	Programmeren	6	1997
	Testen, test management	5	2015
	Opdrachtmanagement & HRM	2	2003
	Doceren	1	2006
<b>Branches</b>	Medische industrie	7	2018
	Automotive	5	2012
	Semiconductors	4	2011
	High Tech systemen	7	2018
	Opleiding en training	1	2006
	Telecommunicatie	3	1987
<b>Standaarden</b>	ISO9001, CMM(I), SPI, QA, SCAMPI, ITIL, Automotive SPICE, ISO TS16949, ISO13485, 21CFR820, MDD, CAPA, Process Validation (IQ OQ PQ), Lean Six Sigma	>10	2018
<b>Methoden &amp; Technieken</b>	Product Creation Process, BCaM, SystemsMgt	>10	2018
	PROMPT, PRINCE2, PMBOK, Agile, SCRUM, Lean	6	2018
	8D root cause analysis, Hazard analysis, 4BL, Pareto,	1	2018
	Data modellering (OTO-D, ERD, normalisatie)	2	1997
	Yourdon, Hatley & Pirbhai, UML, OMT, OO, RUP	7	2008
	Test management, TMap (Next), Jira	1	2015
<b>Toepassingspakketten</b>	MS-Office, OpenOffice, Visio, FrameMaker, SharePoint	>10	2018
	MS-Project, PMW, Clarity (Niku)	7	2013
	PDM / PLM: Agile, TeamCenter, Impulse	2	2018
	CM Synergy, SCCS, CVS, VSS, Continuus, ClearCase, Jira	7	2018
	Change Synergy, DDTS, TeamTrack, Mantis, TFS	7	2018
	DOORS, Requisite Pro, IRQA	1	2018
<b>Technische ervaring</b>	Programmeertalen: C, Pascal, CHILL, Scripting	7	1999
	Netwerken & protocollen: 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	2018

# Overview of executed jobs (in English)

Per job is given:

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

The most important jobs (full-time during longer time) are underlined..

## Quality Assurance Manager (QAM)

Philips Innovation Site Eindhoven / Personal Care Amsterdam

Jan '16 – current

Matt is the Quality Manager for a number of medical device development projects: assuring medical compliance, regulatory, safety & compliance, CAPA, App development, digital innovation connected propositions.

Experience with PCP, ISO13485, QMS, CAPA, FDA, DOORS requirements management.

## R&D Quality Project Lead (QPL)

Philips Lighting –Connected Lighting systems (hue)

Sept '13 – Dec '15

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, QA, Quality Test Plan (QTP), Agile, Scrum, SAFe, Jira tooling.

## Medical Device tool validation (Q&R)

Philips Consumer Lifestyle – Pain Management devices

May '15 – Sept '15

Matt supported in tool validation used in product development of medical devices including apps.

Experience with FDA regulatory.

## 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**

Mapscope 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.