Erwin Verdoorn

Curriculum Vitae

Application Architect

Contact

Home   +31 (0)341 35 27 80
Mobile   +31 (0)651 56 81 38
E-mail   erwin@verdoorn.nl

Business veCard

Characterization

My name is Erwin Verdoorn and till this day building software is a passion that has not weakened whatsoever. With this cv I want to give an impression of my creativity. My work experience shows that I consider complex problems as a challenge.

Work experience

2007-2015   DFA-Mediparc bv

Employed as software architect, responsible and accountable for the analysis, design, building and maintenance of MPBasis system.

The MPBasis system is an integrated administration, registration, declaration and scheduler system for use in private hospitals. The system is multidisciplinary and capable of handling multiple/separate administrations in which all basic data like patient information can be shared.

Administration basic information

> Parts to register patient, hospital, doctor and insurer information and when needed additional debtor and or creditor information. Additional an insurer price agreements module is present to register treatment prices per specialism, per declaration code, per time segment.

DBC Registration

> Registration of DBC's (translated from Dutch: Treatment Diagnoses Combination) of treatments given regarding the specialism and the appropriate criteria. Registration, with or without DBC, of AddOn's (meaning in Dutch: expensive and or extraordinary medication) or OZP's (meaning in Dutch: other healthcare products).
>
> Each and every DBC has to be registered based on its treatment date in relation to the code tables as distributed by the Dutch government, valid for the given treatment date, and in relation to the Dutch regulations and legislation, valid for the given treatment date.

Declaration export/import

> Declaration of DBC DBC's, AddOn's or OZP's, optionally grouped by location and or specialism and or time segment, using the patient insurer information in relation to the treatment date, priced accordingly to the registered price agreements, processing the financial bookings and the generation of declaration files when needed. Declaration files can be processed by insurer administration systems, can be processed by other MPBasis systems (data exchange between multiple administrations or for use as the MPBasis factoring system) or can be processed by external factoring systems.

Invoicing

> Independent care providers (care providers who do not want to use the factoring facilities) can use the declaration module in order to process invoicing themselves. For those products that fall outside the scope of the DBC systematics, a separate invoicing program is present within the financial administration.

Computer education

- Amber
- Ambi
- Informix SQL
- Open University a.o.
  - Information analysis
  - Data modelling
- PBNA
- XML

Database knowledge

Extensive knowledge of the following data bases:

- Btrieve
- MySQL
- Pervasive
- SQLite
- XML

Programming knowledge

Extensive knowledge of the following programming languages/development environments:

- Amber
- Basic
- Business basic
- CSS
- HTML
- Inno Setup
- Machine language (6502, ZX80)
- Magic
  - Magic v4.x t/m 8.x
  - eDeveloper v9.x t/m 10.x
  - uniPaas v1.x t/m v2.x
  - xpa v3
- Thoroughbred basic
- QuickBasic

Scheduler

A central scheduler system in which appointments regarding multiple administrations using multiple specialisms, multiple care centers and doctors can be registered. When entering an appointment, among other things, the system will check for availability of the chosen location and the availability of the regarding doctor. Per administration settings are present on how the scheduler screen should be presented and how appointments should be displayed and processed.

Financial administration

Financial administration with connections to various parts and reports like booking overviews, profit and loss account, and debtor control and creditor control.

2005-2006   Adecco Nederland Groep

Employed as software architect, responsible for the analysis, design and building of the following applications for use within the Adecco company.

CAO calculation and comparison calculator

Creating an inventory of most of the collective agreements (around +/- 1100 in those days) and designing and building a calculator that can determine the flow of labor time given a certain situation within a certain collective agreement.

Adplan

Further analysis, design and building of the Adecco Human Resource Planning system, AdPlan.

This system is somewhat comparable with 'standard' facility management software (like the Prequest systems I worked on at ISDC bv, see 1998-2002 VE bv) whereas in this software the manageable part is which competences are needed for which duration, on which dates, on which location and consequential, which temporary workers are present in the Adecco databases that meet the required qualifications and, when needed, which vacancies have to be formulated in order to fill in the missing competences.

2003-2004   SoftPay bv

Employed as software architect, responsible for the analysis, design and building of the internet payment system SoftPay with which payments per page, per download, per time unit and or per web service used, have to be accommodated.

Softpay system

- Providers
  Registration and administration of providers.
- Content
  The registration of content by the regarding providers and subsequently generation of connectors (html code) with which the provider can receive the payment for the offered content.
- Customers
  Registration and administration of customers.
- Administration
  Financial administration keeping track of the customer balances (debtor control), provider revenues (creditor control) and reports where needed.
- Banking connections
  Verification of customer banking information. Generating collection orders for customers and payment orders for providers based on the content sold and after subtracting provisions.

1998-2002   VE bv

Employed as programmer-analyst and responsible for analysis, design, building and maintenance regarding the following client specific software:

BMP Benelux bv

Further analysis, design and building of their client specific product management system, product distribution system and expedition system.

{} Programming experience

Some experience with the following programming languages/development environments:

- Android
- C
- C++
- Informix
- Java
- Javascripting
- .Net
- Pascal
- Oracle
- TikiWiki
- Windows API

Methodologies

- Isaac
- Infomod
- SDM
- Power Design
- Saxon XSL translator
- XML/XSD/XSL
- Liquid XML Studio

Classic Motor Supplies

Analysis, design and building of a client specific stock management system and invoicing system.

ISDC bv

Rebuilding (and partly redesign) of the by ISDC bv facility management system "Prequest 7" to "Prequest 8". In addition the Prequest 8 system has also been extended with a web browser interface.

PricewaterhouseCoopers

By order of PricewaterhouseCoopers to advise and support the implementation of the new membership management system at the BV Programmabladen AKN in 1999.
(AKN: The radio/television broadcast organizations Avro, Kro and Ncrv.)

SMD Renkum Wageningen

Analysis, design, building and maintenance of a registration and administration system for this home care organization. The system consists of the following modules:

- Home care client management
  Registration of home care clients together with an inventory of their home care needs, possible visiting hours and optional matching and exclusion criteria.
- Home care worker management
  Registration of home care workers together with their qualifications, availability (working contracts) and optional matching and exclusion criteria.
- Scheduler system
  A central scheduler system in which the home care requests are connected with home care workers according to the collective agreements and based on optional matching and exclusion criteria.
- Hour registration
  Processing of the hours worked for the use of the salary administration, scheduler analysis and time-for-time regulation according to the collective agreement.
- Financial administration
  Financial administration with connections to various parts and reports like booking overviews, profit and loss account, and debtor control and creditor control.
- Benchmarking
  Determination of ratios and generating reports as dictated by the government.

1996-1997   Dutch Software Solutions bv

Employed as programmer-analyst and responsible for analysis, design, building and maintenance regarding the following client specific software.

Akzo Nobel Coatings bv

Maintenance on software connections between the SAP software and the various production supporting software components in use by Akzo Nobel.
(At the time location Sassenheim)

Bedrijfssystemen Thuiszorg bv

Analysis, design and building of a home care specific calculation application. By means of analyzed labor ratios (known as the E3 system) the application has to determine the types of labor and to calculate the amount of time needed in order to fulfil a certain home care request.

Incamed bv

Analysis, design and building of a collection agency administration system for the medical sector. The system consists of the following main modules:

- Patient/Debtor registration
  Registration of client information together with collection specific debtor information.
- Dossier management
  Registration and monitoring of debts to collect of the regarding debtor.
- Payment agreements
  Registration and monitoring of debtor payment agreements and optional debt specific payment agreements.
- Amounts due management
  Monitoring the amounts due from various points of view like the debtor or the caregiver that handed over an amount due.
- Financial administration
  Financial administration with connections to various parts and reports like booking overviews, profit and loss account, and debtor control and creditor control.

1993-1996   Aiming Circle vof

Employed as programmer-analyst and responsible for analysis, design, building and maintenance regarding the following client specific software.

Akzo Nobel Nederland

- Maintenance work regarding various administrative system connections between SAP and Akzo Nobel specific production supporting software.
- Analysis, design and building of a buffer conveyors system in which products leaving the factory are distributed over various conveyor belts using optional grouping options in terms of production batches and or order batches.

(At the time location Ede, fiber production and spinning yarn.)

BMP Benelux bv

Analysis, design and building of client specific applications for their production management, production distribution and expedition system.

CB'81 bv

- Based on their provided analysis rebuilding their general practitioner software package.
- Based on the current software package, incorporating new regulations and legislation as well as the new medicine data base, rebuilding their pharmacy software package.

Drost Transport bv

Analysis, design and building of client specific applications for their transportation management system and warehouse rental system.

Famed bv

Based on their specifications building financial processing algorithms within their factoring system.

Hemetex bv

Analysis, design and building of a client specific application for their transportation management system.

Uitzendbureau Start

Building a marketing analysis system for the employment agency Start, partly based on their specifications, partly based on our analysis and designs.
(At the time, headquarters Gouda)

SSP bv

At the request of Schaake Software Producties bv the converting and where needed redesign, of their bookkeeping software package Midas/Minox (+/- 3000 users), programmed in GW-Basic, into Magic 5.60c.
(At the time headquarters Zeist)

1990-1992   O.S.A. bv

Employed as programmer-analyst and responsible for analysis, design, building and maintenance of logistic and administrative systems.

OSA

For the product OSA extending and rebuilding the OSA front desk and invoice applications, stock management system, part lists system and planning system regarding production companies and car part reseller companies.

Standardization

Setting up programming guidelines and development standards in order to improve the quality of software and to raise productivity.

Denaro

For the product Denaro the analysis, design and building of the first version of this car damage expertise and car damage handling system in the development environment Magic 5.02c.

This system is a.o. in use by Delta Lloyd.

1986-1990   Deltec bv

Employed as programmer and responsible for building extensions, building new parts and maintenance of logistic and administrative systems.

Delfinad

Worked on their main software product Delfinad on the front desk and invoice applications, stock management systems and part lists and production systems.

1984-1985   Action Computer Products bv

Employed as technical employee and responsible for the analysis of the various diskette formats in use, using the CopyMaster system. Responsible for the conversion of data from computer system "X" using diskette format "A" to computer system "Y" using diskette format "B" by means of the CopyMaster system.

CopyMaster system

- Visiting clients (banks and insurance companies) throughout Europe in order to install CopyMaster systems as well as providing technical instructions on the use of the CopyMaster system.
- Attending various exhibitions throughout Europe in order to promote the CopyMaster system (s.a. CeBIT -Hannover Messe, Germany-, Efficiencybeurs -Rai Amsterdam, the Netherlands-, PC world show – Olympia Londen, UK-).

Languages

🇳🇱 Native language

🇬🇧 Fluently

🇩🇪 Moderate

Personal

As a hobby I am a beekeeper. I am fond of reading and I am interested in science as a whole.
My sportive activities consist of waling in the forest, ballroom dancing and aikido.

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Home   +31 (0)341 35 27 80
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E-mail   erwin@verdoorn.nl

Achievements

2014	**POV-Ray Cardboard Box Construction Kit**

Library of functions to be used with the graphical design system POV-Ray in order to construct and manipulate bodies that represent cardboard boxes. The POV-Ray software is widely used for example by the LEGO group, by Intel for rendering benchmarking, universities and a large number of other graphical design systems.
I have been working for quite some time creating this library because I had to do it in my spare time. The library, as an installable component, was released to the public in 2014.

2009	**Magic International User Group conference 2009**

This conference was held in Augustus 2009 in Las Vegas, USA.
At this conference I gave a presentation of the use and the possibilities of separate components together with a demonstration within the development environment eDeveloper v10.

2008	**Magic International User Group conference 2008**

This conference was held in May 2008 in La Jolla (San Diego), USA.
At this conference I gave a presentation about the Dutch healthcare cost declaration system and the way treatment code tables were designed and implemented.
Based on this system I explained and demonstrated several programming techniques within the eDeveloper v10 development environment.

1999-current	**BOINC**

From the moment the BOINC system came online in July 1999 till this day I make contributions to the following projects:

- Cosmology, determining the model that describes the universe as accurate as possible.
- FreeHal, Semantic network calculations for artificial intelligence. This project has ended.
- LHC, Large Hadron Collider, de CERN partikel accelerator.
- Rosetta, calculations of three dimensional shapes of proteins as part of the search for new medicines.
- SETI, Search for extraterrestrial Intelligence.

1996	**Printer driver**

Driver software in order to handle the HP1200-Color printer in particular and black and white laser printers in general a.o. for use with the GraphArt software module (see 1993 GraphArt).
To overcome the limitations of the black and white laser printers default 8 shades of gray the driver software is fitted with a photo raster technique in which colors are converted to a 16 shades gray matrix.

1995	**Dixxpli**

Software application for steering the Delta Diskette Duplication Unit.
Users can indicate how a batch of diskettes should be processed: Only formatting, formatting and verification, duplication by copying files or by writing a diskette image file et cetera. While processing a batch of diskettes the software constantly monitors for mechanical problems and for diskette processing problems like writing errors, read errors and media errors.

1994	**GraphArt**

Software module to draw charts and statistical information on screen from within another software application. This software was designed as an add-on for the Magic development environment from Magic Software Enterprises.

1991	**Storage rack for periodicals**

Storage rack for periodicals, patent number NL9100865 (A).

1987	**Axon**

Software package for designing and building menu systems under the DOS operating system. By means of an instruction set (batch like structures) users could design their own DOS start menu from which they could start their applications. Initially this menu system was named 'Choice' and was later renamed to 'Axon'.