

NATHAN VAN DER AUWERA

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Licentiaat Informatica 1990-1994 (K.U.Leuven)

1e kand Burgerlijk Ir. 1989-1990 (K.U.Leuven)

Dutch (mother tongue), English (excellent), French (basic)

Volleyball, cycling, photography, reading, writing, drawing



EXECUTIVE SUMMARY

- * analyst-developer with more than 20 years of experience
- * main expertise: mostly C++, moved to C# / .NET(via a very short java-stop), now Ruby on Rails
- * Ruby on Rails devotee
- * strong analytical skills: translating the user wishes/requirements to code and database
- * strong architectural focus (code should be beautiful)
- * TDD/BDD

IT TECHNICAL KNOWLEDGE

Programming languages	C, C++, Java, Basic, VB, Pascal, Prolog, ADA, Lisp, Ruby, PHP, Assembler (M68000, Z80), C#, .NET 3.5 (WPF/WCF), VBA
Methodologies	OO, Design Patterns, UML, RAD, Extreme Programming, Scrum
Operating Systems	Microsoft Windows (WinXP, win2k, win9x, winnt, win3.1), Linux, AIX,
Internet	Java, JavaScript, XML, XSLT, HTML, PHP, CSS, VB/ActiveX Xforms WordPress (install/themes/extending) jQuery RoR
Databases	Oracle (7,8,9,10), MySQL, SQL Server, Postgresql

JOB EXPERIENCE

Period	1/6/2013 - now
Function	Software Engineer
Company	GlobeZenit n.v.
HW/SW	Developing on mac/Deploying on Windows Ruby on Rails (git/rubymine) Oracle/Postgres
Tasks	- port 3 ruby on rails sites from rails 2.3 and ruby 1.8.7 to rails 3.2 and ruby 1.9.3 - with focus on open source technologies upgrade the GIS stack - introduce and add test coverage using rspec/cucumber
Period	1/1/2013 - 31/5/2013

JOB EXPERIENCE	
Function	Software Engineer
Company	Ontoforce
HW/SW	Developing on mac/deploying ubuntu/debian Ruby on rails (git/rubymine) / Postgresql SPARQL/RDF backends
Tasks	<ul style="list-style-type: none"> - did mostly frontend development using coffeescript (we did not use a MV* framework, but used our own) - d3.js for visualizations - did some sparql/backend - write tests using rspec/cucumber/jasmine
Period	1/7/2010 - 31/12/2012
Function	Software Engineer
Company	Vasco - Able
HW/SW	Ubuntu Ruby on Rails(git/rubymine/redmine) PostgreSQL/mongo/redis jquery/html/css
Tasks	<ul style="list-style-type: none"> - implemented an sms-gateway (rails 3, serving sms to a configurable nr of sms providers) + integration in large in-house app - Authentication in the cloud-platform: implemented a db-backed authorisation system (plugin/gem) for multiple sites - implemented an encrypted PKI where keys are stored in a HSM - developed MYDIGIPASS.COM and DEVELOPER.MYDIGIPASS.COM with a team of 8 people (backend/frontend) - daily support of MYDIGIPASS.COM - pair-programming and tdd (rspec/cucumber) - introduced continuous integration server (TeamCity) and personally guarded and promoted test coverage awareness - worked in an agile team of 8 developers (scrum)
Period	1/06/2008 - 31/6/2010
Function	Software Engineer/Architect
Company	GlobeZenit - http://www.globezenit.be
HW/SW	Windows XP Borland C++ Builder/VS 2008 (C#) MicroStation MDL + VBA/AutoCad VBA Wordpress (PHP tweaking)/CSS Oracle Spatial (dba/sql scripting) Ruby scripting/Ruby on Rails
Tasks	<ul style="list-style-type: none"> - implemented the company website using Wordpress/php/css - supported old GIS software, implemented using C++/MicroStation MDL - automated internal operations in C# or VBA (CAD/Math) for the surveyors/engineers - setup a development environment: build environment, subversion and moved to git, bug tracking, project website (projectPier) - my main work is the development of websites in Ruby on Rails for our clients, with all shared code placed in a plugin (80%) [Netbeans, ruby 1.8.7 (exploring 1.9.1), rails 2.3.5, deploy on windows (thin), word automation, jQuery, git, built our own authorisation/scaffolding plugin, wice-grid, oracle spatial db backend] - importing of GIS graphical data using conversion tools (FME) or SQL (20%) - configuration and customization of GIS software (Star-Apic Next7) - primary technical contact with the clients

JOB EXPERIENCE	
	- lead a small team
Period	1/10/2007 - 31/5/2008
Function	Software Engineer (freelance)
Company	Punch Graphix Xeikon
HW/SW	Windows CE 5/6 Windows XP VS 2005 C# / C++ .NET 3.5 WPF/WCF
Tasks	- designing and programming software for real-time environment (CE/C++) - create test-programs in C# - design and implement controlling/configuring software in C#, using SQL Server 2005, .NET 3.5 WPF and WCF: * configuration stored in db * basic UI to edit the data and control the machine * WCF to communicate between UI and service
Period	16/07/2007 - now
Function	Software Engineer/Architect
Company	Synergetics nv
HW/SW	Windows XP Intalio BPMS Xforms (Orbeon) Giunti LearnExact Packager Fedora
Tasks	- Implement EVC procedure for Kenteq using Intalio/Xforms/Giunti - create and implement an EPMS (equanda/fedora) - implement company website (wordpress)
Period	01/08/2006 - 13/07/2007
Function	Software Engineer (freelance)
Company	Euroclear
HW/SW	Windows XP Visual Studio 2003/2005 C++ ASP
Tasks	Implement Change requests in legacy c/c++ (using Visual Studio 2005), VB6 and ASP code Watch Duty
Period	01/02/2006 - 31/07/2006
Function	Software Engineer (freelance)
Company	Arcelor Steel Belgium (Sidmar)
HW/SW	Windows XP, VAX VMS Visual Studio 2003/2005 C#, C++, XML, XSLT
Tasks	Basic improvements in old legacy c++ code Implementation and design of cutting plan (coil formation) Conversion of data in xml-files using xslt
Period	01/11/1997 - 31/12/2005
Function	Software Engineer (freelance)

JOB EXPERIENCE	
Company	Compu-Mark Thomson
HW/SW	Windows NT, AIX, Linux Bea MessageQ, Websphere MQ (MQSeries) BEA Weblogic, Websphere Oracle 8-9-10g C++ (Borland BCB, Visual C++), Java, VBA (Word/Excel/Access), VB6
Tasks	<p>1997 : as part of Application Architecture, offering support to other developers :</p> <ul style="list-style-type: none"> • define C++ standards / support libraries • wrote home-brewn CORBA on top of BEA-MessageQ + conversion of all apps + monitoring application <p>1998 : moved to client applications, using C++, MFC, Borland VCL, ActiveX DLL. Was active member of Technical Advisory Board, discussing standards and new technologies</p> <p>1999 - 2005 : PDS (Printing and Delivery System) : automatic creation and electronic delivery of all electronic reports. Programmed in C++, using NT Services, and Office components for report creation.</p> <ul style="list-style-type: none"> - create XML-files containing contents (extracted from Oracle DB) - Word/Excel templates to create reports - workflow system, load balancing, heavily relying on messaging to distribute jobs <p>2001-2003 : convert old "Search" order processing system to J2EE system. I was responsible for the interaction with PDS.</p> <ul style="list-style-type: none"> - adapted PDS (C++) - delivery-specification in Java client-app (Java/Swing) - Java server-side code (EJB/DAO) - messaging connection from Weblogic to BEA MessageQ using JNI, then switched to Websphere and MQSeries, using JMS <p>2003 : Free Translations project : Teamleader for a short, intensive period (three months)</p> <p>2003 : conversion of "Watch" orders to J2EE</p> <p>2005 : Global Watch (reports for the sistercompany in America)</p> <p>Medio 2005 : relocated to support-group, offering second-line support, whilst still maintaining and extending PDS</p>
Period	1999-2001
Function	Software engineer/entrepreneur
HW/SW	Windows Borland C++ Builder, DBF
Company	Co-operation with Winning Soft (Paul Vandenbosch)
Tasks	Implemented an application to perform and analyze lactic acid tests. Also installed them at the clients (sportartsen).
Period	26/01/1996 - 27/10/1997
Function	Software Engineer / Teamleader
Company	Globe N.V.
HW/SW	Windows NT, Oracle 7

JOB EXPERIENCE	
Tasks	<p>MicroStation MDL C++, Delphi, DDE</p> <p>Teamleader of a group of 5 developers Analysis, design and implementation of Geographical Information Systems for pipeline management.</p>
Period	22/02/1995 - 26/01/1996
Function	Software Engineer
Company	ENI Aartselaar
HW/SW	Unix, DOS C++
Tasks	Developed the test-system for the (then) new Opel Vectra. ALDL testing. Industrial system, with our own hard- and software.
Period	01/09/1994 - 31/01/1995
Function	Programmer
Company	T.E.C.
HW/SW	C
Tasks	Worked on the development of a new type of weighing scale (port or upgrade of an older model to new hardware).
Period	From 1988-1993
Function	Software engineer
Company	PROGS (Professional and Graphical Software), together with my brother
HW/SW	Sinclair QL Assembler M68000, C, C++
Tasks	<p>We wrote and sold our own software, worldwide. We had a userbase of a few hundred people.</p> <p>1988 : developed a bitmap oriented drawing program, completely M68000 assembler code (21000 lines)</p> <p>1992 : LINEdesign v1, vector drawing program. Coded in C. Assembler for drawing routines. Used vector fonts (converted TTF).</p> <p>1993 : LINEdesign v2 : a new and extended version, after requesting and getting user feedback of about ten customers. Co-operated with my brother.</p> <p>We also wrote the manuals, supported the users, visited international fairs.</p>

Personality - Strong points

- creative, problem-solver, solution oriented
- work well under stress
- people-oriented
- consensus seeker
- like to be challenged
- need either challenge or diversity to keep interest

- i function best in a team, if we are all involved, and there is a lot of interaction (and a good opportunity to learn from and influence each other)
- otherwise i like to work on my own, and finish something from conception-stage to delivery
- i need the big picture to feel involved and motivated

Websites

<http://www.linkedin.com/in/nathanvda>
<http://www.dixis.com>
<http://github.com/nathanvda>
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