Curriculum Vitae

Personal Data
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Marital Status   Married
Nationality   Belgian
Date of Birth   21/11/1981

Profile

I'm an IT consultant based in Antwerp who started out his carreer at the low-level, programming embedded C for payment terminals at Intellect International in Zaventem. Later on I worked my way "up" to Java at EMC until they disbanded the Belgian Development Group during the financial crisis of 2008. I kept moving more to front-end technology with Flex at Luma and later on PHP when I started working for Krimson. For 7 years now I've been a PHP developer at Krimson, Wunderkraut & Appnovation before deciding to go freelance. As freelancer I've been programming Java and PHP at first, before switching over to full-time Java in October 2020.

Work Experience

09/2023–now   **Java Developer at *Telenet***
In June of 2023 Telenet started hiring a specialised team of senior profiles to modernize their customer-facing software solutions such as the MyTelenet website, Telenet's OneApp as well as the BASE app. The previous architecture, as well as code, was not of a sufficient quality to guarantee problem-free operation and Telenet faced a lot of downtime and negative press. The team hired me and we worked on pulling apart several giant "monolithic" code bases into smaller services using hexagonal architecture. The services ran with Quarkus on a kubernetes cluster in Redhat Openshift.
Along with splitting off code in separate services I developed a service dedicated to set up test data for integration tests in Telenet's complex services-landscape. Test data such as customer accounts, different Telenet product subscriptions and their options, mobile plans, etc... The test data service had a REST API, callable by Cypress and Playwright integration tests to initialise the data they needed for the test to complete successfully.
The technologies worked with were: Java 21, GraalVM, Quarkus, Gitlab, GitOps, OpenShift, Oracle DB, Kubernetes, REST, SOAP, JUnit, and Mockito.

10/2022–07/2023   **Java Developer at *Departement Omgeving***
Via Computer Futures I started working at Departement Omgeving for the Flemish Goverment. The main project there is Digitale Stedenbouwkundige Informatie (DSI), an application written in Java with an HTML/CSS and JavaScript frontend that lets people create and consult "Ruimtelijke Uitvo-

eringsplannen" in Flanders. Next there is also the Bestuurlijke Sanctie Opvolging Systeem (BSOS) which is built with Axon Sagas as a fully event-driven application. The newest project is the Slimme Bevraagservice (SBS) using GraphQL. An application that lets users request exactly which "rules and regulations" apply to a particular plot of land.

There is an extensive JUnit (using e.g. AssertJ) test-suite with over 5000 tests just for the DSI project alone.

The technology stack for these projects include GraphQL and REST, CQS, Java, Spring/Boot, jOOQ, Maven, JS, node, PostgreSQL with GIS extension, JTS Topology Suite, the Qgis app and Avro Parquet.

05/2022–09/2022   **Java Developer at *Rkitek***

I was Java developer for Rkitek and its customers. In this position I have worked with in a team providing REST APIs written in Java 11, using hexagonal architecture, and CQRS with separate models for the domain and view. Maven to build the projects and Jenkins to do the Continuous Integration. Deployment was done to Red Hat OpenShift and monitored using Kibana. Tests for the code were written with Mockito for the unit tests and the integration tests used Docker spinning up a MS SQL Server image.

10/2020–04/2022   **Java Developer at *Ixor***

Providing support as well as adding new features to Ixor's IxorDocs application. IxorDocs is an application that lets customers upload documents such as invoices and credit notes, Ixor's AI analyses them. It is then digitized into various formats (for instance into a UBL file to send via the PEPPOL network) and delivered. The application has two React UIs talking to the backend via GraphQL calls. The backend consists out of 5 micro services for increased flexibility. Allowing us to update parts of the system without having to bring everything down. The customer's documents are stored on S3. CI/CD is done via BitBucket pipelines and the artifacts that are built are stored in AWS CodeArtifact. Maven is used to build the code and some of the main dependencies are Spring Boot and MapStruct. The database is PostgreSQL and is built up with Liquibase scripts.

Technologies: Java, AWS, JSON, GraphQL, REST, Spring Boot, micro services.

Support as well as coding new features for Hermes, a BOSA application that allow businesses to send invoices via the PEPPOL network to businesses who are not on the PEPPOL network yet. It translates UBL files into emails which are then emailed to the receiver of the invoice. The technologies used here are Java for the code but also everything that has to do with PEPPOL such as Oxalis inbound/outbound access points and UBL BIS 2 and 3 specifications.

07/2019–04/2020   **Drupal Developer at *Agentschap Natuur en Bos***

Both maintenance as well as new projects for the department of Parks & Recreation at the Flemish Government.

Technologies: AWS management console, Drupal 7/8, PHP.

03/2019–04/2020   **Software Developer for *GleVe Consult***

Development of an Atlassian Jira plugin to facilitate invoicing. Java development for GleVe Consult's customers. The project has several components to it. There is JavaScript in an Atlassian Confluence frontend in conjunction with a Confluence plugin, which talks to a REST backend written in Java. The

backend then talks to an Oracle database. Both the REST backend as well as the Confluence plugin are built using Bamboo.

The newest project involves creating a mobile app as well so I've been doing some Swift development.

Technologies: Spring Boot/MVC, REST, JPA, Atlassian Connect, Jira, React, JSON, AWS, Swift.

12/2018–now   **Freelance Developer** Upgraded outdated Drupal 7 to Drupal 8 for ClubRacer as well as set up an integration with BoatZilla, a website for selling new and used boats. Implemented a DevOps solution for deploying development, acceptance and production environments.

10/2011–11/2018   **Drupal Developer at *Appnovation, Wunderkraut & Krimson***
These three are the same company, but Krimson became Wunderkraut in 2012 and Wunderkraut got bought by Appnovation in 2017.

I was a backend Drupal developer. For the past couple of years, as Wunderkraut grew, the projects had gotten bigger. Not merely building websites anymore but rather web-platforms with SOAP and REST integrations with various other backends the customers had. Such as Microsoft Dynamics CRM for Voka or employee and job-opening databases for ZNA.

Backend Drupal developer most of the time for ZNA, Swift and Voka.

Project Management for a project in the healthcare sector for nine months during this period.

Improved search speed on load-balanced (2 webservers, 2 databases) academia.nl by using Apache Solr and supported their SimpleSAML login procedure.

Technologies: macOS, Debian, Jira, PhpStorm, Git, PHP 5/6/7, YAML, Apache, MySQL, Drupal 6/7/8, SOAP, REST, vagrant, composer.

03/2009–10/2011   **Java/Flex Developer at *Luma International NV***
As a software engineer I worked with Adobe Flex. Luma, the company's direct marketing solution, accessible from a web-browser, provides solutions for small individuals like cafe or restaurant owners to large organisations like insurance agencies.

Technologies: macOS, IntelliJ, Java, Flex, Spring MVC, Maven, SproutCore, Subversion, CSS.

09/2008–03/2009   **Smalltalk Software Engineer at *MediaGeniX NG***
Working on Whats'On, a software suite that enables TV stations to schedule their programmes, trailers and commercials. Making use of Cincom's Visual-Works and MediaGenix's self-made tools.

Technologies: Windows, Smalltalk.

06/2007–07/2008   **Java Software Engineer at *EMC***
Programming for Centera^{TM}, EMC's CAS (Content Addressed Storage) product. EMC Centera^{TM} strictly adheres to the SCRUM philosophy for managing projects and teams. I've been a scrum master for several months. I helped getting a release out the door and was part of a team that implemented a faster and more robust way of regenerating missing data on the data storage clusters. Next up was writing code to replicate data from one cluster to the other. The final project I was on consisted of implementing parts of the XAM SNIA spec to ensure concurrency integrity when multiple clients read and write the same data via the XAM API. Naturally running and writing tests

was one of the cornerstones throughout these projects. Making extensive use of JUnit, on which they had built a Component Testing Framework made up out of more than 20 000 tests.
Technologies: MS WinXP, Linux, Java, Eclipse, JUnit, ClearCase, Mingle, Test-Track, GNU toolchain.

01/2004–05/2007 **Embedded Software Engineer at *Intellect International NV***
Writing applications for Payment Terminals in C & maintaining a production test-software suite. Compiling them in a Make architecture. Creating my own tools in Debian Linux for easier, more automated, distribution of releases.
Technologies: MS WinXP, Linux, C, Eclipse, make, bash and Subversion.

01/2003–03/2003 **Design and developement of Java-code generator at *Capco***
The assignment consisted of designing and developing a Java-code generator in team, based on XML and XSLT. The design of the "to be generated" class hierarcky happened in Together. Actual programming of the code-generator was done in Eclipse and the eventual compilation of those generated classes got integrated in an Ant build-script. Finally, Unit Tests verified if the classes were well generated and operational.
Technologies: MS Windows 2000, Eclipse, Together 6.0, XML, XSLT, Java, Servlets, HTTP and the Barracuda framework.
Grade: great distinction (18/20)

06/2001–06/2002 **Java programmer and test engineer at *Acunia NV.***, a telematics company in Leuven
Over the course of the year I had several student jobs being a Java programmer for Wonka^{TM}, the GUI for their Virtual Machine for Embedded Devices. Rewriting and testing of java.awt.List using Peers. Also I was a junior Java test engineer, defining testcases and taking care of the Quality Assurance and Testing of their system.
Technologies: Debian GNU/Linux, Wonka^{TM}, Java, CVS and Bugzilla.

Education

09/2000–06/2003 Graduate Applied Computer Science
Institution: Karel de Grote hogeschool (Antwerp)
Specialisation: Datacommunications and Networking
Grade: cum laude

10/1999–06/2000 Licentiate Computer Science
Institution: Rijks-Universitair Centrum Antwerpen

09/1993–06/1999 Latin – Modern Languages
Institution: Sint-Lievens College (Antwerp)

Extra Diplomas

2019/01 Oracle Certified Associate, Java SE 8 Programmer

Scrum.org PSM I

CCNA 1 Networking Basics
CCNA 2 Routers and Routing Basics
CCNA 3 Switching Basics and Intermediate Routing
CCNA 4 WAN Technologies

Languages   I'm most eloquent in Dutch, since it's my first language. Though English isn't a problem either due to several contacts with people in the United States and the company language at most IT companies is English. During my time at Intellect International my colleague was French-speaking, but I'm afraid the technical jargon, together with the French, has faded.

Language	Verbally	Written
Dutch	Mother tongue	Mother tongue
English	Very good	Very good
French	Moderate	Moderate

Interests   Reading technical books about all kinds of subjects concerning computer science, usually about Open Source technologies.
Movies, music, motorcycles, running and skiing.

References   Tytgat Christian – Senior Java Developer at *AWV*, Antwerp. Tel: +32 497 025 845

De Buysscher Yve – System Architect at *Philips*, Leuven. Tel: +32 16 384 979

Buytaert Steven – co-CEO of *Acunia NV.*, Leuven. Tel.: +32 16 31 00 20

IT Background

This table lists most of the technologies I've come across during college, work and personal projects.

Subject	Specific technology	Last used
Design & Planning	Object Oriëntation	Currently
	Unit Testing	Recently
	UML	June 2018
	Rational Rose	June 2003
Programming Languages	PHP	Currently
	Objective-C	Recently
	Java	Currently
	Swift	Currently
	C	May 2007
	C++	May 2007
	Perl	June 2003
Web-related	SOAP	Currently
	REST	Currently
	CSS	Currently
	JavaScript	Currently
	XML	Currently
	JSON	Currently
	Jenkins	November 2018
	Aegir	November 2018
	JSP/Servlets	June 2003
Databases	MySQL	Currently
	Oracle	Recently
	PostgreSQL	April 2003
Networking	Cisco IOS	June 2003
	HTTP	Recently
	TCP/IP	June 2003
Operating Systems and Tools	Linux	Currently
	macOS	Currently
	IntelliJ	Currently
	GNU Tools	Currently
	Git / Github	Currently
	LaTeX	Currently
	Eclipse	June 2012
	ClearCase	July 2008
	TestTrack	July 2008
	Subversion	May 2007
	RT	May 2007
Management	SCRUM	Currently
	ISO Standards	April 2003
	Integral Quality Assurance	April 2003

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