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	Belgium
Nationality:	Belgian
Born:	October, 31 1978

Curriculum Vitae
Pierre Moermans

Skills

Architecture design	Event-driven architecture, resource oriented architecture, Micro-services	
Technologies:	Cloud and Infrastructure	VMWare, Docker, Heroku, AWS: S3, EC2, CloudFormation, CloudWatch, Lambdas, Kinesis, SNS, SQS, SES, RDS, VPC, ELB, Route 53, Cognito, API gateway Event Streams: Kafka
	Javascript	EcmaScript 6, Server and client side Meteor.js, React, express, hapi, restify, mongoose ... grunt, gulp, browserify, babel, Webpack
	Java Frameworks:	J2EE, Spring, Camel
	Python:	Flask, Django, SQLAlchemy, ReportLab
	Versioning & Development Tools:	Git, Subversion, Atlassian suite, Jetbrains suite, Jenkins LucidChart
	Databases:	NoSQL: MongoDB, RethinkDB, Redis, ElasticSearch SQL: MariaDB, PostgreSQL, SQLServer, Oracle, DB2
	Other	Clojure, Haskell, Shell Scripting, Puppet, Chef
Methodologies:	Scrum, Agile	

Education

Computer Science Engineer, Université Libre de Bruxelles (ULB) (2002)
Last year spent at the Helsinki University of Technology

Languages

French:	Native
English:	Fluent
Dutch:	Good
Spanish:	Fluent

Career Overview

Standaard Boekhandel   01/01/17 → now

Role:	Master Data Architect and IT strategy adviser
Technologies and Tools:	Event-driven and resource oriented architecture, Master Data Management
Description:	During this mission, I've helped Standaard Boekhandel in the full modernization of their IT landscape by

- redesigning the product and product-related data
- proposing architecture patterns that will maximize the flexibility and allow easier adoption of their new business ideas
- evolving the company mindset from batch-driven data processing to a data stream and real-time both at business and IT levels
- selecting vendors of MDM, data integration and data flows solution, back-office, financial flows, eCommerce, marketing, cashier and warehouse management
- selecting an integrator
- teaching how to gather the business requirements with agile methodology and tools to Standaard Boekhandel intern team

I reported directly to the top-management about decisions, strategies and planning.

Toyota Motor Europe   01/01/13 → 31/12/2016

Role:	Enterprise Architect (80%) + Project architect / Tech Lead (20%)
Technologies and Tools:	Event-driven, resource oriented architecture Node.js and client-side javascript, React, Meteor, Express Java, Spring, Camel AWS IAAS and SAAS, Heroku MongoDB, SQLServer, Elastic Search, Kinesis, Kafka REST Services, Master domains, event streams
Description:	**As enterprise architect**

- I helped define the company-wide IT landscape and IT strategy as well as the migration path for the years to come. This could be summarized as
  - Event Stream architecture
  - Resource oriented architecture
  - Micro-services
  - HTTP-only based integration to support very different technologies used at the multiple national Toyota
  - Cloud-based infra by default, on-premise if required by law or security
- I helped multiple national markets to redraw their current IT situation, especially Toyota France, Toyota Italy and Toyota Spain.
- I designed the high-level architecture of many projects (+/- 40 so far). The most important being
  - the data domains (products, vehicle, customer, orders, logistics, …)
  - *lead-management* project that monitors the reaction time of dealerships to customer requests and provides different real-time analytics.
  - *CarConfigurator* (new version) that provides 3D imaging based on gaming technology and CSP solution for products configuration
  - *Car-IT* which links in-car devices to back-end systems and mobile applications.
  - Order-Tracker which will allow the customers to track their order and a customer journey to be built in SalesForce MarketingCloud.
- I developed multiple proof of concepts to test and teach the new technologies

As project architect and technical lead

- I designed an in-details for some of the projects I also assured the enterprise architect role for. This happened in two scenarios:
  - ensure correct adoption of new technologies (Kafka, Node.js, Kinesis,

Lambda …) and ensure consistency of REST APIs and Events designed
  - ◦ some projects do not have a project architect assigned to them.
- • I coached young developers the new technologies, the SCRUM methodology and the way to handle third party vendors or local markets
- • I helped finding system integration issues, analyze the root causes and defined counter-measures.

Bpost   01/11/10 → 31/10/12

Role:	Technical Leader
Technologies and Tools:	JEE 5, JPA, Hibernate, Jboss 4.2, Oracle 10g Vaadin, Struts, RESTeasy, JUnit, XMLUnit, EasyMock, Unitils XML, XSLT, XPath, Ant IntelliJ, Oxygen, SOAP-UI, DB Visualizer, SQL developer Subversion, Ivy, Hudson, Jenkins, JIRA SCRUM, UML

Projects Description:	• **Bar-code Service interpretation:** 3 person project used to assign prices and handling instructions to any item identified by a bar-code.
	• **Shipping Module** is a 5 persons project that provides
	  • an embeddable for web-shop that allows customers to select a delivery method and options.
	  • a web interface for the web-shop owner to manage its customers orders, packaging, label printing and web-shop options.
	  • a REST interface for integration with the web-shop back-end.
	  • a web interface to manage the web-shops by bpost.
	I designed the REST interface and worked as tech-leader for this module and the integration with the bpost back-ends.
	
	• **SEPA migration** consisted in modifying 7 applications to be SEPA compliant.
	• **Warehouse Management System / REST interface:** REST interface for bpost customers on top of the SOAP interface provided by Red Prairie
	• **eReadiness** project is a 4 persons project that provides XML bulk and REST interfaces to announce new parcels, query parcels status individually or in bulk.
	• **REST service design for multiple projects as REST service "expert"**

Isabel SA   03/01/10 → 09/11/10

Role:	Senior Java Developer
Technologies and Tools:	Java, Spring, J2EE, Websphere, Jboss, Oracle, MySQL Python JMeter, JUnit, XMLUnit, DBUnit, Mockito, EasyMock XML, XSLT, XPath, Maven SCRUM
Projects Description:	• **Zoomit** is a platform that allows exchange of documents (invoices, salaries …) between senders, customers and banks. It facilitates the management of invoices for end-customers and avoid paper invoices. *My work mainly consisted in identifying the performance issues and propose solutions.*

And Previously

01/2009 → 11/2009   European Commission through Sword Technologies

02/2006 → 01/2009   Belgian Ministry of Finance

06/2005 → 02/2006   Belgian Post

01/2005 → 06/2005   Ubidata

05/2004 → 01/2005   Proximus

11/2003 → 05/2004   IT-Optics – Multitel

09/2002 → 11/2003   ACT'L

06/2002 → 09/2005   Helsinki University of Technology, department of automation