

Philippe BOURGAU, eXtreme Programmer & Innovative Coach

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Nationality : French

Born on the 9th of December 1978

Married

Driving license

Experience>

- 2013 -> 2016 | **Murex, Paris**
Coach & lead R&D engineer in a distributed teams of 8
-> Building of a real time risk engine in Java, using technologies from in-memory, columnar and temporal Dbs. When we presented the system to a well known researcher in the domain from INRIA, he said he was "impressed"
-> Incremental design and architecture of the system to allow all this
-> Coaching of the (rather junior) team, to Scrum, then XP and eventually Kanban. The sponsor said that "in 25 years of career, he never saw a team as efficient"
-> Evangelisation of other close teams to working agile practices (Coding Dojos, Tek Talks, Internal Meetups)
- 2014 | www.agileavatars.com, retail of custom avatar magnets for agile whiteboards (personal side project)
-> Setup of a landing page to measure the potential market
-> Setup of a web metric follow up system with Google Analytics
-> Design of the solution only after validation with the users, as described in Lean Startup
- 2010 -> 2013 | www.mes-courses.fr, smart online grocery (personal side project)
-> Allowed to do your house shopping on auchandirect.fr in only 5 minutes, via an alternative interface using on receipts,
-> Creation of a scrapping tool for online supermarkets (catalogue import, order passing), design of an online supermarket scrapping DSL
-> Creation of an automated continuous test harness
-> Design and administration of a commercial web site with the Ruby on Rails Radiant CMS
-> Through github, contribution to several open source libraries (blogit, mechanize, storexplore, auchandirect-scrapi)
- 2012 -> 2013 | **Société Générale CIB, Paris. Contractor employed by Key Consulting**
C# agile architect and XP coach for the portfolio valuation system
-> Rewrite of the front-end, less than 10 bugs per year thanks to BDD, TDD and DDD
-> Coach and agile change agent in the department. Coaching to Kanban and Scrum.
Organisation of coding dojos.
-> Animation of offshore (Bangalore) trainings to TDD and BDD techniques
- 2011 | **Crédit Agricole CIB, Paris. Contractor employed by Key Consulting**
C# agile architect and XP coach in a 10 person agile team building a trading automaton
-> Training of other team members to agile and eXtreme Programming techniques (TDD, BDD, constant refactoring, incremental design and architecture, continuous improvement)
-> The project became the quality and productivity model within CACIB
- 2008 -> 2010 | **Murex, Paris**
Senior C/C++ & Java developer in a 10 person R&D team
-> For the open source project C++ Reflex (introspection in C++), contribution of an annotation system (like Java) and an enhancement to simultaneously handle multiple versions of the same dynamic libraries
-> Creation of a build and continuous integration system (Jenkins, Maven, Java, Python, Cmake), cross-platform, cross-language, incremental et easy to use.
- 2005 -> 2008 | **Société Générale CIB, Paris. Contractor employed by Softeam.**
C++, Java and C# software engineer for the rates front office system
-> Design of a gateway to an electronic broker using reactive programming
-> Very high quality using eXtreme Programming : no bug discovered after deployment
-> Self learning of financial domain knowledge through the [book of John Hull](#)
- 2001 -> 2005 | **CAST Software, Paris.**
C++ software engineer within a 30 person R&D team
-> Construction of a .Net code analyser using Lex
-> Prototyping of a fast program data-flow tool (complexity in $O(\log(\text{lines of code count}))$) using SQL and logic programming
- 2001 | **Dassault Système, Paris. Intern. Web service prototype with .Net and COM.**

Skills>

Specialization	Architecture & incremental architecture (Refactoring, Mikado Method, DDD), Agility (XP, Scrum, Kanban), Coaching & training, agile process and organisation (continuous improvement), automated testing (TDD, BDD), remote XP (Pair programming, Restrospectives ...)
Techniques	Polyglote programming & multi-layer (DB, backend, domain, GUI, Web ...), Open source
Languages	Java, C#, Ruby, C/C++, Html, CSS, Javascript, Clojure, Erlang, Haskell (from + to -)
OS	Linux, Windows, OS-X

Background>

2001 -> 2015	Auto-training (around 8h per week) on various subjects -> agile technics ex : TDD, BDD, refactorings, incremental architecture -> langages ex : Ruby, Lisp, Haskell, Erlang -> project management ex : Scrum, Lean, continuous delivery, risk management -> management ex :management 3.0 -> entrepreneurship ex :Lean Startup, Inboug Marketting, Blogging -> algorithms and various techniques ex : web development, database systems, IA, collective intelligence, financial pricing
2015	MOOC In Memory Data Base at open.hpi
2014	Training to Lean Product Development 2 : apply principles of the flow by D.G. Reinertsen
2010	Training to Domain Driven Design by Skill Maters
2007	Training to financial mathematics by First Finance
1998 -> 2001	SUPAERO (National Superior School for Aeronautics and Space), Toulouse, France -> Major in Computer Science
1996 -> 1998	Preparatory class in mathematics (MP*) at lycée Poincaré, Nancy, France
1996	French scientific Baccalauréat, graded "good"

Languages>

French	Native language
English	Bilingual, English mother
Spanish	Good read, written and spoken level

Hobbies>

Swimming, Aïkido, hacking with computers (Open source and personnal projects), Reading, Cooking

References>

David Mourrat, project manager at CACIB : david.mourrat@ca-cib.com
Arnaud Bailly, independent agile programer : arnaud.oqube@gmail.com
Robert Anisko, senior programmer : robert.anisko@gmail.com
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