Ugo Bataillard
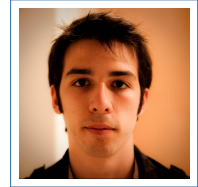
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Experience

Oct 2014 - Present
Software engineer/Product owner, *En Japan*, Tokyo.
Work on HR services using highly concurrent technologies (Akka, Play). Designed a modular micro service architecture used by all services in the team. Created and managing a project with 10 people.

Jun 2010 - Sept 2014
Lead Developer, *Orange Labs*, Tokyo.
Created services in partnership with Japanese actors to find opportunities between Orange and the local technology industry. For each project, I designed, defined the market offer, prototyped the solution leading small teams of designers and developers and finally pushed the product to sponsors in the group and to local partners.

- Created a prototype and a market offer for a real time control system of QoS for LTE connections. This was an opportunity to interact with a huge infrastructure, LTE SAE, and learn how to dive into complex standards to create innovative solutions.
- End to end designed and prototyped a content delivery solution using 802.11ad in partnership with Wilocity that resulted in the Media Station Kiosk product in collaboration with SITA (https://www.youtube.com/watch?v=9uNkvKtkCNI).
- Collaborated with Les Bains Numeriques festival in France to develop a mobile application to follow other visitors, 6th sens (http://6emesens.orangejapan.jp), and an installation with real time video streaming projected in immersive spheres. This was the occasion to find technical solutions to implement more artistic projects.

Apr 2012 - Present
CTO and Co-Founder, *Smint Co.,Ltd.*, Tokyo.
Co-created a company making a mobile application related to fashion. Starting a company taught me a lot about human relationships and shaped my vision of product creation and business development.

- *fukupix*: fashion mobile SNS that enables its community to share their style and find easily where to buy clothing items (https://www.youtube.com/watch?v=s4oEnScbas4). I lead the architecture design, user experience workflows and implemented the iOS app and api server (with Scala and Lift). I learnt then about ObjectiveC and reactive programming thanks to ReactiveCocoa. I also learnt a lot about functional programming and use of an alternative for dependency injection thanks to cake pattern.
- *onecard*: mobile wallet for loyalty cards. Lead the architecture design and implemented iOS and Android apps and their backend server (with Scala and Play). During this period I learnt a lot about asynchronous and actor based programming.

Jun 2009 - Jan 2010
Intern Engineer, *Orange Labs*, Tokyo.
Worked on route prediction algorithm using Lucene index and Google Maps API. During this period I have acquired experience of main design patterns such as MVC, Dependency Injection using Spring framework.

- Extra: Moved scattered hardware based IT structure in the lab to unified virtual machines solution using Google ganeti server management system and created a common working environment thanks to LDAP, git, internal DNS, reverse proxy Nginx and task management based on Redmine.

Extra

play-server-http4s	Http4s backend for Play framework. https://github.com/knshiro/play-server-http4s
SVolley	Scala wrapper around Google Android Volley. https://github.com/knshiro/svolley
sbt-packer	Tool to create Amazon AMI out of scala applications. https://github.com/en-japan/sbt-packer
SVolley	Scala wrapper around Google Android Volley. https://github.com/knshiro/svolley
AFNetworking-RACExtensions	Rewrote this ReactiveCocoa extension of AFNetworking for AFNetworking 2.0. https://github.com/knshiro/AFNetworking-RACExtensions

Computer skills

Languages	Scala, Java, ObjectiveC, Android, iOS, Javascript, Haskell, C, C#, HTML5, CSS3, Python, Bash, Ruby, C++, UML
Tools	AWS, MySQL, PostgreSQL, MongoDB, Git, Vim
Miscellaneous	Linux, MacOS, Windows

Education

June 2010	**Master of Science in Computer Science and Networking**, *Telecom Paristech*, Paris, France.
June 2010	**Exchange Semester in Computer Science and Distributed System**, *QueensLand University*, Brisbane, Australia.
June 2005	**High School Diploma**, *Lycee Beaussier*, La Seyne sur mer, France, *16.4/20.* First class honours and scholarship

Languages

French	**Native**	
English	**Fluent**	*TOEFL IBT 98/120, 2009*
Japanese	**Conversational**	*JLPT N3 2011*
Spansish	**Basic**	

Interests and hobbies

I love hiking with my camera around Tokyo (https://www.flickr.com/knshiro/). I'm keen on reading programming (specially functional) and science books but I also really like marketing (e.g. Seth Godin's blog) and psychology (Daniel Kahneman's Thinking, fast and slow).