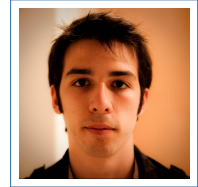


# Ugo Bataillard

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## Experience

- Oct 2014 - **Software engineer/Product owner**, *En Japan*, Tokyo.  
Present 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 - **Lead Developer**, *Orange Labs*, Tokyo.  
Sept 2014 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 - **CTO and Co-Founder**, *Smint Co.,Ltd.*, Tokyo.  
Dec 2013 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 led 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 the use of the cake pattern as an alternative to dependency injection frameworks.
  - *onecard*: mobile wallet for loyalty cards. Led 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 - **Intern Engineer**, *Orange Labs*, Tokyo.  
Jan 2010 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 a unified virtual machines solution using Google ganeti server management system and created a common internal application deployment environment thanks to LDAP, git, internal DNS, reverse proxy Nginx and task management based on Redmine.

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## Extra

play-server-http4s Http4s backend for Play framework. <https://github.com/knshiro/play-server-http4s>

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-Rewrote this ReactiveCocoa extension of AFNetworking for AFNetworking 2.0.  
RACEExtensions<https://github.com/knshiro/AFNetworking-RACEExtensions>

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## 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

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## 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

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## Languages

French **Native**

English **Fluent**

*TOEFL IBT 98/120, 2009*

Japanese **Conversational**

*JLPT N3 2011*

Spansish **Basic**

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## 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).