

François Monniot

Software Engineer

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Work Experience

- Sept – Current **Software Developer**, *Samsung Semiconductor Inc*, Paris, France
Working in the Paris team at [Samsung ARTIK Cloud](#).
Providing new possibility for developers to use and access IoT data via the SAMI platform.
- Jan – Jul 2016 **Intern Software Developer**, *Samsung Semiconductor Inc*, San Jose, California
Worked in the data pipeline team at [Samsung ARTIK Cloud](#).
Provided better scalability by moving a set of service to Redis Cluster,
improved robustness by embracing the asynchronous way with error and failure handling.
Prepared the system to replicate redis operation across datacenter.
- Feb – Jul 2015 **Intern Video Games Developer**, *Metidia*, Paris, France.
Worked on the development of the video game [Vinoga](#), a video game in the browser which take the farmville concept to the wine world and let you buy the wine you created in game.
Was in charge of implementing new functionalities and maintaining the client (Backbone.js/DOM, CreateJS/Canvas) and the backend (Sails/node.js). Designed the underlying infrastructure to support player's growth (10k/month) using container on AWS.
- May – Aug 2013 **Intern Java Developer**, *Alter Frame*, Versailles, France.
Learned a new technology (JavaFX) and successfully delivered the product during this internship. Brought new agile methodology and oriented the company towards mobile, cloud and big data processing. Evangelized tests and added many of them on newer and older projects.

Education

- 2011 – 2015 **M.S. Telecom Engineering**, *Institut Mines-Télécom*, France.
Master's degree specialising in *Distributed Systems Architecture*.

Skills

Programming	Scala, Java, Ruby, Go
Platforms	Cassandra, Redis, Elasticsearch, Hadoop ecosystem
Web Programming	Javascript, Elm, Play Framework, HTML5/CSS3
OS	GNU/Linux (Debian, ArchLinux), Mac OSX
System Administration	Virtualization/Container (KVM, OpenVZ and Docker), DNS
Other	Nginx, SQL, Git, Bash

Related experience

- 2011 – 2015 **Treasurer 2012-2013**, *MiNET student association*, Internet Provider (700+ subscribers).
Software developer, **System Administrator**
Managed a budget of 40k€ and an event of 1000 people.
Virtualized servers with OpenVZ/KVM managed by Proxmox.
Maintained and improves the user management system based on Ruby on Rails.
Successfully centralized log with syslog, Logstash and Elasticsearch.

Personal Projects

- Mar 2016 **Embedded Redis and SBT plugin**, *Open Source, available on [GitHub](#)*.
Enhance a lib to launch Redis from Java/Scala and published a plugin SBT to do it automatically before all tests.
- Sep 2014 **MiNET OAuth Provider**
Created an OAuth provider to help junior developer launch easily their applications using MiNET accounts.
- Mar 2014 **Trello Blog**, *Open Source, available on [GitHub](#)*.
Created a blog engine on top of the Trello platform to minimize the cost of a blog (potentially no cost to deploy) with Angular.js.
- Nov 2013 – Feb 2014 **Directory**, *Open Source, available on [GitHub](#)*.
Development of a directory using Ruby on Rails, AngularJS and Elasticsearch to let student of Telecom SudParis find one of their peer (by using their initial or complete name).

Languages

- French Mother tongue
- English Fluent (B2 European level, TOEIC 955/990, Lived 6 months in California)

Other Interests and Activities

- Sport Archery (15+ years)
- Open Source Software