

# Antoine Galataud

**Senior software developer** with 9 years experience

Specialties: Java and its ecosystem, Scala, large scale distributed application design, performance

## Experience

Jan. 2015 - Today

**Senior software engineer** at Airboxlab

- Hired to design and architect backend services that ingest and store sensor data and expose as REST API:
  - Design and choose tools for sensor data ingestion pipeline (Spark Streaming)
  - Study and implement a machine learning solution (Spark ML), in collaboration with a local research institute
  - Improve micro-services infrastructure (Scala, Java, Docker, Consul)
  - Create lightweight pub/sub messaging solution, used internally as well as with connected devices and apps (RabbitMQ, MQTT)
  - Design an API to make connected devices from partners able to interact with ours
  - Design and help on implementation of infrastructure, continuous deployment, log management system, fail-over and auto-scaling solutions (AWS, Jenkins, Elasticsearch, Logstash)
- Daily missions
  - Services design, implementation, maintenance
  - Collaborate with hardware and apps developers, as well as with external partners
  - Create tools, documentations and methods, ensure best development practices
  - Continuous deployment in a Agile process

Apr. 2013 - Jan. 2015

**Senior software engineer** at FircoSoft

- Hired to bootstrap development of new products branch and a SDK shared by 4 products and 11 developers:
  - Design modules and dependencies, select external APIs
  - Define and create development environment, build artifacts, CI process
  - Structure development around IoC, statelessness and scalability principles
  - Introduce modern concurrency and distributed computing bases
- Daily missions
  - Services and business requirements analysis and implementation
  - Particular focus on performance, scalability, concurrency
  - Ensure best development practices are used
  - Assist others with regular follow-up and trainings
  - Strengthen automated testing and CI process with QA team

Feb. 2012 - Apr. 2013

**Technical consultant** at Misys (ex-Reuters risk software)

Troubleshooting and follow up of issues or user requests raised by customers based in EMEA West

Author of monitoring and technical reporting tool, maintained and used by other consultants

Back office technical specialist, regularly sent abroad to train others or unblock critical situations

Customer advocate for customers with reference implementations in Europe.

Feb. 2010 - Feb. 2012

**Technical supporter (3rd level)** at Thomson Reuters

Troubleshooting and follow up of technical issues

In charge of 2nd level supporters training

Feb. 2006 - Feb. 2012

**Software engineer** at Thomson Reuters

Technical design and implementation of BO modules, mainly for back office validation, cash management, Swift messages generation, and deals life cycle management

Introduced Spring and Hibernate in the project

## Technical Experience

Key skills

**Design** (from the ground up) and maintenance of **large scale, distributed applications**  
Best practices in performance, concurrency and scalability aspects

	Tooling and usages for <b>simple application building, packaging and deployment</b> <b>Continuous integration</b> , deployment and testing processes
Programming Languages	Strong knowledge of <b>Java, Scala, SQL, HTML, CSS</b> Intermediate skills in JavaScript, Groovy, C++, Shell scripting Basic knowledge of C, Python
Frameworks, Tools and APIs	Strong knowledge in Spring, Spring Security, Spring MVC, Spark, Quartz Good knowledge of Akka, Spray
Containers	Tomcat, Weblogic
NoSQL	DynamoDB, ElasticSearch
RDBMS	Oracle, MS SqlServer, Sybase
IDE, Build, CI	Eclipse, Maven, Ant, Jenkins, SVN, Git
OS	Linux, Solaris, Windows

## Education

2003-2006	<b>Engineer degree</b> ; Institut National des Sciences Appliquées (Rouen - France) <i>Computer sciences - Information systems architecture</i>
2001-2003	<b>2 years CS degree</b> ; IUT II, University Joseph Fourier (Grenoble - France)

## Languages

- Spoken and written languages:
  - French (native)
  - English (fluent)

## Interests and activities

- Open source: follow few communities, give a hand when possible (minor contributions to Atmosphere)
- Sports: swimming, biking, half-marathon runner
- Music
- Litterature, especially american contemporary writers

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