

Antoine Galataud

Senior software developer with 10 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 architect and implement backend services:
 - Sensor data ingestion pipeline design and implementation: storage, cleanup, enrichment, stats computing, machine learning (Spark Streaming, Spark ML)
 - Data pumps and aggregation pipeline setup (3 datacenters, data from DynamoDB, Elasticsearch, MySQL and S3)
 - Datamining tools evaluation, team bootstrap and formation on Spark, documentation and sample jobs writing (Spark, Databricks)
 - Design and tool up microservices based API (Spray, Akka, Spring, Zuul)
 - Continuous deployment design and tooling with containers and service discovery (AWS ECS, Docker, Consul, Jenkins) * REST API improvements with API Gateway, generated documentation (Swagger), API keys, stateless authentication, best practices reviews
 - Lightweight pub/sub messaging solution, used internally as well as with connected devices and apps (RabbitMQ, MQTT, STOMP)
- Daily missions
 - Services and business requirements analysis, implementation, deployment, monitoring
 - Interact with business users, apps developers and external partners for REST and Streaming API changes

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

Education

2003-2006	Engineer degree ; Institut National des Sciences Appliquées (Rouen - France) <i>Computer sciences - Information systems architecture</i>
2001-2003	2 years CS degree ; 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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