

# Sylvain Leroy

SOFTWARE QUALITY MANAGER / DIGITAL SOLUTION ARCHITECT

Married, two children

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*"Innovation is the right balance between risk and conservatism"*

## Education

### NINJA SQUAD

ANGULAR 2 TRAINING

- Angular 2 and Typescript training

Geneva

Jan. 2017

### INRIA, IRISA, University of Rennes 1.

COMPILER, PERFORMANCE AND MICRO ARCHITECTURE, RESEARCH MASTER (RM2) PROGRAM

- Specialisation in compilation technics to create source-to-source(transpiling) frameworks for performance optimizing

Rennes, France

Jun. 2007 - 2004

### IUT Lannion, University of Rennes 1.

BACHELOR OF COMPUTER SCIENCES,

- C/C++ Software development course, Requirements, Team management.

Lannion, France

Jun. 2004 - 2002

## Skills

<b>Software skills</b>	Web Applications, DDD/SOA/REST Architectures, Monoliths, Microservices, Batches, MDA Modelers, Compilers
<b>Expert Software modernization</b>	Front-end and optimization compilation technics, Source-to-source expert, MDA
<b>Software audit</b>	ISO 9126, ISO 25000, Balanced scorecard, CMMI, KPI, TOGAF, COCOMO2
<b>Test Tools</b>	Selenium, SWTBot, PhantomJS, SoapUI, JMeter, Spring MVC, Gatling, Spock, Cucumber, JBehave, JUnit, Mockito, CppUnit
<b>Quality Tools</b>	SonarQube, Squal, Kiuwan, Codacy, Klocwork, Coverity + opensource
<b>Team management</b>	Agile, Scrum, Waterfall, Balanced Scorecard
<b>Innovation</b>	Research promotion, Innovating ideas, Research projects initiator
<b>Programming Languages</b>	Java, C, C++, TypeScript, JavaScript, Groovy, PHP, PL/SQL, Delphi, VB
<b>DevOps</b>	Docker, Ansible, Jenkins, Puppet, Maven, Gradle, CMake, Make, QMake, Composer, Bower, Nexus
<b>Databases</b>	Mysql, PostgreSQL, MongoDB, Elasticsearch, OrientDB, Cassandra, OpenTSDB, KairoDB, Oracle
<b>Web/UI</b>	JSP, Thymeleaf, AngularJS, JQuery, Wicket, GWT, Jade
<b>Web/Middleware</b>	Spring/MVC, Jersey, CXF, Silex, Node.JS, Express, EJB
<b>Web/DAO</b>	JDBC, Spring JDBC, MyBatis, Hibernate, JPA, Spring Data
<b>Languages</b>	French (Natural), English (C1), German (B1), Russian (A2)

## Experience

### SERIAL SA

SOLUTION ARCHITECT, TECH LEAD

Geneva, Switzerland

Janvier 2017 -

- *SERIAL SA is a famous company of 30 years old in Switzerland, delivering IT services. Its activities are focused on Web, ECM, Mobile, BI, Security, and Software Engineering expert skills.*
- **GHI: Software Audit Quality Assessment and Performance diagnostic**  
Java, AngularJS, JHipster, Gatling, JMeter, SonarQube, Maven, Bamboo
- **GSK Novartis: JEE Tech Lead**  
Docker, Jenkins, Oracle, Java, Javascript, JSP, W4 Business Engine, Tomcat, Apache, Gradle, JIRA, Bamboo
- **TechTalk: Speaker**  
Why developers should care about quality ?
- **HSBC Private Banking: Technical lead**  
member of the Middleware team **delivery assessment**, technical expertise and review, international environment and offshore teams  
Spring / Javascript / Ansible / Maven / Apache Camel / SOA / REST

## METRIXWARE/TOCEA

STAKEHOLDER AND CTO TOCEA

Rennes, Nanterre

Jun. 2014 - Dec. 2016

- **Software Editor : DevOps Dashboarding Solution**  
Gradle, Spring, Spring MVC, Java, Groovy, JUnit, Spock, Elasticsearch, MySQL, Quartz, GWT, Wicket, JQuery, Mybatis
- **Software Editor : Software Factory solution**  
Jenkins, Redmine, Puppet, Foreman, SonarQube, Kiuwan, GIT, Nexus, Artifactory
- **Software Quality Assessment Auditor / DevOps Coach : Fircosoft** Java/Spring/Oracle/Maven
- **SQA Auditor** : DGAC : PHP/Symphony/Silex
- **PHP Architect** : DGAC : PHP/Symphony/Silex
- **SQA Conseil d'état** : AngularJS/Javascript
- **SQA France Domaine** : Spring / Struts / JSF / JPA
- **SQA AXA** : Spring/Spring MVC/ Spring Security
- **SQA Cedricom** : Borland C/C++
- **SQA CRIDF** : Groovy / Liferay / Java/ Spring / JaxWS
- **SQA CampusFrance** : Struts 1/2, Java, Spring, ActiveMQ
- **Performance/Stress tester : Ministère Economie : JMeter, Selenium, SoapUI**
- **SQA Ministère Economie : Java / Spring / JPA**
- **SQA Pages Jaunes/SoLocal** : C/C++
- **DevOps Coach** : SoftAtHome Software Factory
- **DevOps Coach** : Amabis
- **DevOps Coach** : Conseil Régional Ile de France
- **Coach/Trainer** : CleanCode
- **Coach/Trainer** : Maven
- **Coach/Trainer** : BSC
- **Coach/Trainer** : SonarQube
- **Coach/Trainer** : Code Quality Tools

## TOCEA

COFOUNDER AND CTO TOCEA/ECHOES LABS

Rennes, Quebec

Mar. 2011 - Jun. 2014

- *Tocea is a innovating company that provides refactoring source-to-source solutions to help the software editors to refurbish their legacy softwares in record time and budget*
- Co-founder of the Startup TOCEA
- **Software Editor : Code quality and refactoring tools for the languages Java, Javascript, PHP, C/C++, Cobol, SQL**  
technologies Java, Groovy, Maven, Gradle, GWT, JasperReports, Mysql, Eclipse, Hibernate, JPA
- **Software Editor : DevOps Dashboarding Solution**  
Gradle, Spring, Spring MVC, Java, Groovy, JUnit, Spock, Elasticsearch, MySQL, Quartz, GWT, Wicket, JQuery, Mybatis
- **Software Editor : Code quality Saas Benchmarks** : SOA, CXF, ActiveMQ, Spring, Quartz, MySQL, SonarQube, GWT
- **Software Editor : SonarQube plugins** : Code qualimetry model plugins for SonarQube ISO 9126 / Technical Debt
- **Software Quality Assessment Auditor : Viaccess** Crédit Agricole GIE Pacifica, Banque en ligne
- **Software Quality Assessment Auditor : Viaccess** C/C++, STL, Boost
- **Software Quality Assessment Auditor** : Orange : JEE/Spring
- **Software Quality Assessment Auditor** : Swisscom : JEE/Spring
- **Software Quality Assessment Auditor** : Promutuelle : JEE/Spring
- **Software Quality Assessment Auditor** : Sigma : JEE/Delphi/Javascript
- **Software Quality Assessment Auditor** : SoftatHome C/C++
- **Software Quality Assessment Auditor** : Banque de France / Spring/Java/Javascript
- **Software Quality Assessment Auditor** : Bureau Veritas / Java/JEE/EJB
- **Software Quality Assessment Auditor** : Dictao(Morpho) / Java/JEE
- **Software Quality Assessment Auditor / Performance Diagnostic** : ENIM (Morpho) / Java/Spring/Hibernate/SoapUI/WS
- **DevOps Coach** : SoftAtHome Software Factory
- **DevOps Coach** : Conseil Régional Ile de France
- **Coach/Trainer** : Design Patterns
- **Coach/Trainer** : CleanCode
- **Coach/Trainer** : Java/JEE
- **Coach/Trainer** : Oracle 9 Performance Tips
- **Coach/Trainer** : Web Services/SOA

## INRIA/IRISA

RESEARCHER FOR SERENITEC RESEARCH PROJECT

Rennes

Septembre. 2007 - Sep. 2010

- Creator of a innovating technology for the modernisation of software.
- Code Quality tool development : C/C++, Java
- Refactoring tool development : C/C++, Java
- Code Qualimetry tool development : C/C++, Java

## Honors & Awards

### INTERNATIONAL

- 2013 **Finalist**, Innovation award from the French Ministry of the Industry (Créadev)
- 2012 **Finalist**, Innovation award from the French Ministry of the Industry (Emergence)
- 2011 **Laureate**, Phar Fund laureate

Paris, France  
Paris, France  
Rennes

## DOMESTIC

## Presentation

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### AFDEL

PRESENTER FOR AFDEL/TECH IN FRANCE

- Diminuer sa dette technique : stratégie de migration ... - TECH IN France

Paris

Jul. 2012

### INRIA Workshop

PRESENTER FOR INRIA WORKSHOP

- Source-to-source technics for Java software optimizations

Rennes

Sep. 2007

## Writing

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### Blog Writer

DIGITAL TRANSFORMATION REFACTORING

- Blog on various subjects : Code quality, refactoring, Enterprise Architecture, Digital Transformation
- <https://sylvainleroy.com>

Switzerland

Jan 2017 - Now

### Main Writer

SOFTWARE LEGACY: HOW TO SAVE THEM ?

- WhitePaper on Software legacy and how to handle the technical debt

France

Sep. 2016 - Dec. 2016

### Main Writer

SOFTWARE REQUIREMENTS : A COMPLETE GUIDE AND MARKET STUDY

- Exhaustive WhitePaper on Software requirement domain and requirement software market

France

Sep. 2015 - Nov. 2015