

# Sylvain Leroy

SOLUTION ARCHITECT, TECHLEAD DIGITAL TRANSFORMATION

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

- 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.
- Solution architect / developer empowering challenges as digitalization, digital transformation, dev-ops, software factory and legacy modernization

Geneva, Switzerland

Janvier 2017 -

## TOCEA

Rennes, Quebec

COFOUNDER AND CTO TOCEA/ECHOES LABS

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
- Own technology transfer from the Research lab INRIA/IRISA
- Winner of Innovation award 2012, 2013 from the French Ministry of the Industry
- Technical leader up to 20 people, 3 Product lines
- Co-created successfully business offers from innovating products
- Launched an opensource saas project used by more than 500 users
- Co-launched the research project Greencode which has created the Greenspector company
- Raised more than 250k€ with INRIA Transert/BPI and accompany the company from a 3 members project to more than 20 members
- Helped to open a new market in Canada/Quebec
- First french Cleancode course and certification creator , Cleancode trainer
- **Customers** : Orange, Swisscom, Pôle Emploi, Promutuel, Viaccess, Sigma, SoftAtHome, Banque de France, Bureau Veritas, Dictao(Morpho), ENIM, Sogeti, Scassi

## INRIA/IRISA

Rennes

RESEARCHER FOR SERENITEC RESEARCH PROJECT

Septembre. 2007 - Sep. 2010

- Creator of a innovating technology for the modernisation of softwares.
- Helped to the industrialization of the prototype
- Funding and business-plan active support to launch the creation of Tocea

## Honors & Awards

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### 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

Paris

PRESENTER FOR AFDEL/TECH IN FRANCE

Jul. 2012

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

### INRIA Workshop

Rennes

PRESENTER FOR INRIA WORKSHOP

Sep. 2007

- Source-to-source technics for Java software optimizations

## Writing

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### Blog Writer

Switzerland

DIGITAL TRANSFORMATION REFACTORING

Jan 2017 -Now

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

### Main Writer

France

SOFTWARE LEGACY: HOW TO SAVE THEM ?

Sep. 2016 - Dec. 2016

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

### Main Writer

France

SOFTWARE REQUIREMENTS : A COMPLETE GUIDE AND MARKET STUDY

Sep. 2015 - Nov. 2015

- Exhaustive WhitePaper on Software requirement domain and requirement software market