

Sylvain Leroy

SOFTWARE AUDITING AND ARCHITECTURE AND CODE ANALYSIS EXPERT

Married, two children

La Poussinière, 35133 Romagné, Bretagne, France

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“Innovation is the right balance between risk and conservatism”

Education

INRIA, IRISA, University of Rennes 1.

Rennes, France

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

Jun. 2007 - 2004

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

IUT Lannion, University of Rennes 1.

Lannion, France

BACHELOR OF COMPUTER SCIENCES,

Jun. 2004 - 2002

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

Skills

Software skills	Web Applications, DDD/SOA/REST Architectures, Monoliths, Microservices, Batches, MDA Modelers, Compilers
Expert Software modernization	Front-end and optimization compilation technics, Source-to-source expert, MDA
Software audit	ISO 9156, ISO 25000, Balanced scorecard, CMMI, KPI, TOGAF, COCOMO2
Team management	Agile, Scrum, Waterfall, Balanced Scorecard
Innovation	Research promotion, Innovating ideas, Research projects initiator
Programming	Java, C, C++, JavaScript, Groovy, PHP, PL/SQL, VB, Delphi
DevOps	Jenkins, Puppet, SonarQube, Maven, Gradle, CMake, Make, QMake, Composer, Bower, Nexus, Spring CloudFactory
Databases	Mysql, PostgreSQL, MongoDB, Elasticsearch, OrientDB, Cassandra, OpenTSDB, KairoDB, Oracle
Web/UI	JSP, Thymeleaf, AngularJS, JQuery, Wicket, GWT, Jade
Web/Middleware	Spring/MVC, Jersey, CXF, Silex, Node.JS, Express, EJB
Web/DAO	JDBC, Spring JDBC, MyBatis, Hibernate, JPA, Spring Data
Languages	French (Natural), English (C1), German (B1), Russian (A2)

Experience

METRIXWARE

Nanterre, Rennes

C.T.O AND STAKEHOLDER OF THE METRIXWARE GROUP

June. 2014 - Dec. 2016

- *Metrixware is a company focused around a Cobol revamping solutions, Cobol Programmers solutions and Software modernization services*
- Shareholder and direction staff member
- Helped to the acquisition of the Echoes technology startup in 2015
- Created two product lines for a new business of 700k€ on two years
- Technical leader of 20 people, 5 Product lines
- Organized and lead a software audit BU with more than 20 audits for major customers and public institutions
- Main pre-salesman for the Software Modernization services and audit services
- Saved more than 5 customer product lines in two years
- Permanent consulting activity
- **Customers** : Fircosoft, DGAC, Conseil d'état, France Domaine, AXA, AXA Spain, Cedricom, Conseil Régional IDF, CampusFrance, BearingPoint

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

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

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

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