# Muriel Salvan

## Lead Software Developer, Founder and Owner of X-Aeon Solutions

### *Main areas of expertise*

- **Design, Architecture, Development** of applications with very high demands in a critical technical context
- **Coordination, Management** and Development of technical projects and frameworks used across development teams
- **Optimization and Harmonization** of products, tools and working processes that can highly increase productivity

### *Looking for ...*

- Great **Ruby and Ruby on Rails** projects
- Working with **international teams**

### *Vocational training*

- **Founder**, **Developer** and **Project Manager** - X-Aeon Solutions, Nice, France    **May 08 - Today**
  Creator, manager and developer of 22 projects
  - **3 public websites**
    - Muriel Esteban Official Website
    - X-Aeon Solutions Official Website
    - jicMail Website
  - **11 Open Source tools and applications**
    - Sheep Dog
    - Wave Swiss Knife
    - Files Hunter
    - Music Master
    - PBS: Portable Bookmarks and Shortcuts
    - Files Rebuilder
    - WEACE Methodology
    - Ruby Packager
    - Stats Collect
    - Message Queueing benchmarks

FSCMS
**8 Open Source libraries**
Rails-Ajax
Ruby-Serial
IO Block Reader
Process Pilot
RDI: Runtime Dependencies Installer
rUtilAnts
rCodeLeveler
Free Resource Leveling Algorithm

*Experience*: **Agile**, extreme and **test-driven development** of complete brand new projects, involving **Open Source** communities of users and developers.
*Technologies*: Cross-platform development, Open Source, Web hosting, Development tools, Tests automation, Continuous integration
*Libraries / Frameworks*: Ruby on Rails, Git, SSH, Apache, SVN, Mediawiki
*Languages*: Ruby, PHP

- **Developer and Architect** - Amadeus SAS, Sophia-Antipolis, France    **Mar 07 - May 08**
  Design, development and coordination of solutions to **optimize performance** of a data store and indexing server in a **very high transactional context with heavy database constraints.**
  *Experience*: Team work and extreme development in a critical environment under high pressure.
  *Technologies*: Database, Management, Algorithms
  *Libraries / Frameworks*: Oracle, Unix, XML
  *Languages*: C++, Ruby, Python

- **Team leader**, **Developer**, **Architect**, **Quality coordinator** - Amadeus SAS,    **Feb 06 - Mar 07**
  Sophia-Antipolis, France
  Project management, design and implementation of a **generic framework implementing relational databases mechanisms in binary data representations**.
  **Quality insurance coordinator** across the group to improve the company's working processes.
  **Quality internal auditor** of Amadeus processes against **ISO 9001:2000** certification.
  *Experience*: Project management, high technical development, database concepts implementation (data coherence, indexing, transaction), performance optimizations.
  *Technologies*: Database, Project Management, Performance tuning
  *Libraries / Frameworks*: Oracle, Unix, Microsoft Project, SVN, ARIS
  *Languages*: C++, Java, Ruby

- **Developer and Architect** - Optalan (working for Amadeus SAS as a    **Sep 03 - Feb 06**
  contractor), Sophia-Antipolis, France
  Design, development and maintenance of a **client/server application managing inventory** of airlines' schedules.

Implementation of many **tools and frameworks for development teams** shared across the whole company.

*Experience*: Team work, airline and travel industry, maintenance on production environments.

*Technologies*: Database, Performance tuning, Production environments

*Libraries / Frameworks*: Oracle, SunOS, HP-UX, Unix

*Languages*: C++, Java, Python, PL/SQL, UML

- **Developer and Architect** - Amadeus SAS, Sophia-Antipolis, France          **Apr 03 - Sep 03**
  Design and development of a **cache access to a generic database in a highly transactional context**.

  *Experience*: Team work, project management (complete software development cycle).

  *Technologies*: Algorithms, Real time computing, Multithreading, Parallel programming, IPC (shm, mutex), Unix system programming, Specifications writing

  *Libraries / Frameworks*: SunOS, AIX, CVS

  *Languages*: C, Assembler

- **Developer and Product Designer** - Actelink, La Farlède, France          **Jul 02 - Sep 02**
  Design and development of a **generic lexical analyzer with regular expressions**, matching video ads.

  *Technologies*: Video streaming, Files parsing, Lexical analyzing

  *Libraries / Frameworks*: Real

  *Languages*: Visual Basic

- **Hardware Technician** - Fractal Informatique, Toulon, France          **Jul 01 - Sep 01**
  Building and maintenance of computers.

- **System Administrator and Developer** - ENSEEIHT, Toulouse, France          **Sep 00 - Jul 02**
  System Administrator of the students' computer network (40 hosts used by more than 1200 people, running under Windows NT, Linux, Mac OS). Development of administrative tools and servers for Windows/Unix environments.

  *Experience*: High communication with users to adapt a whole infrastructure to the need of a big community.

  *Technologies*: Windows administration and system development, Linux administration and system development, MacOS administration and system development

  *Libraries / Frameworks*: Samba, VNC, Unix, MacOS, Windows

  *Languages*: Delphi, Unix Shell

- **Demo-maker** - Carrefour Grand-Var, Toulon, France          **Jan 95 - Jan 98**
  Realization of Carrefour's video ads displayed in their malls.

  *Technologies*: 3D Modeling

  *Libraries / Frameworks*: 3DStudio

## *Training*

- **Computer science and mathematics engineer degree**, specialized in multimedia applications
  ENSEEIHT (Ecole Nationale Supérieure en Electricité, Electrotechnique, Informatique, Hydraulique et Télécoms-réseaux), Toulouse, France

  **Sep 00 - Jul 03**

- Classes Préparatories Dumont d'Urville, Toulon, France
  Preparatory school for engineering schools (MPSI, MP), specialized in mathematics and physics

  **Sep 97 - Jul 00**

- **A-levels degree option Mathematics**, grade B
  Lycée du Coudon, La Garde, France

  **Sep 94 - Jul 97**

## *Main experience (years)*

| Languages | Technologies | Libraries / Frameworks |
|---|---|---|
| **Ruby**: 8<br>**Java**: 6<br>**C**: 6<br>**C++**: 5<br>**Delphi**: 5<br>**Python**: 4<br>**HTML**: 4<br>JavaScript: 3<br>Turbo Pascal: 3<br>Unix Shell: 3 | **Performance tuning**: 6<br>**Development tools**: 5<br>**Open Source**: 5<br>**Tests automation**: 5<br>**Cross-platform development**: 5<br>**Web hosting**: 5<br>**Database**: 5<br>**MVC**: 5<br>Continuous integration: 5<br>Ruby internals: 4<br>Files parsing: 4<br>Real time computing: 4<br>Multithreading: 4<br>Game development: 4<br>Design patterns: 4<br>Agents: 4<br>Web development: 4 | **Unix**: 7<br>**Ruby on Rails**: 6<br>**Windows**: 5<br>**Git**: 4<br>SunOS: 4<br>Oracle: 3<br>MSDOS: 3<br>3DStudio: 3<br>WxWidgets: 3<br>RubyGems: 3<br>RDoc: 3 |

## *Certifications*

- Jul 11 - **Ruby** (ExpertRating) - **85**/100 (top 1%)
- Jul 11 - **Ruby on Rails 2.3** (ExpertRating) - **75**/100 (top 22%)
- Apr 02 - **TOEIC** - **920**/990