Luc SOREL   age : 37

11 rue Pablo Neruda
35700 Rennes
+33 6 16 84 87 54 (mobile)
luc.sorel@gmail.com
www.lucsorel.com
github.com/lucsorel

Environnemental science PhD
Web developer, data miner

Professional skills

Project management   field work and reporting – feasibility studies and long term R&D projects
Team work   agile methods – associative implication
Innovation   technological and patent watch – transfer – research tax credit
Trilingual and multicultural   *French* (native language), *English* and *Japanese* (in immersion)
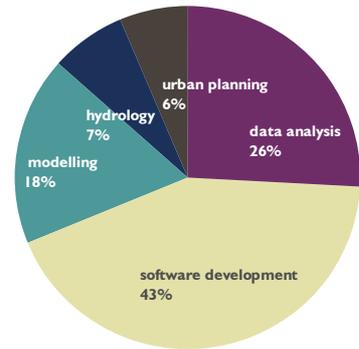
Education and training

2014-16   Mooc: Taming big data with Spark (8 weeks)
Innovation marketing & personas (4 weeks)
Reactive programming (7 weeks)
Data analysis with R (8 weeks)

2008   **PhD in environmental sciences**: modelling and analysis of dynamic 3D systems, data mining (Rennes 1, 3 years)

2006   Réflexives – R&D practices (1 week)
Management, human resources (1 week)

2002   **Master of science in agronomy**, specialised in hydrology and geomatics (Agrocampus Rennes, 3 years)

Software technologies

Web & mobile interfaces   AngularJS • •   Ionic • •
$html_5$ css_3 js • • •   D3.js •

Application servers $Java_8$ + Spring • • •
NodeJS + Express • •

Big data & statistics   Spark •   R • •
(Scala •   Python •)

GIS & data bases   ArcGIS •   gvSIG •
MySQL • • •   MongoDB • •

Architecture & signals
Docker • ZeroMQ • RxJS • • Socket.io • •

Work experience

2010   *Startup developer & growth hacker – synchronisation of business data as a cloud service (PODBOX, Betton)*
5 years+   Platform R&D, innovation partnership and promotion (IRISA, Oséo-BPI), web marketing

2008   *Developer – ad multicasting (UBIFLOW, Rennes)*
2,5 years   Development, in charge of multilingual ads support

2005   *Modelling researcher – virtual landscapes (INRA, Rennes)*
3 years   Virtual landscape modelling and scenario analysis to assess the environmental impacts of agrosystems on soil and water quality (stochastic decision trees, massive dataset analysis)

2004   *Modelling engineer – soil and hydrological processes (INRA, Orléans)*
4 months   Self-parametrization of a runoff and erosion model (Stream)

2003   *Science consultant in an environmental agency (GEODIA, St-Malo)*
9 months   Development of impact studies of urban development plans, coordination with private/public partners

2002   *Developer trainee (INSTITUTE FOR RESOURCES AND ENVIRONMENT, Vancouver Canada)*
6 months   Design, development and assessment of a GIS rainfall-runoff hydrological model

Pie chart:
- data analysis 26%
- software development 43%
- modelling 18%
- hydrology 7%
- urban planning 6%

International

2002   *6 months*   Training period at Vancouver, Canadian west coast
2001   *6 months*   Erasmus exchange program in Iceland, employee in a restaurant in Reykjavík
1994   *1 year*   One-year scholarship in Tokyo (Japan), hosted in a native family

Extracurricular activities

Creation   Music writing (guitar, piano) recording and show, co-edition of 2 DVD (edition and soundtrack)
Association   Secretary & webmaster of Tous pour la Syrie (*since 2012*), president of DocAIR (*1 year*)
Leisure   Lindy hop (swing dance), story-telling with music, unicycle