Laurent Oget, PhD

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18 years experience designing and building industrial-strength systems to organize, understand and analyze big data as a tool for informed decisions.

Technical Skills:

Programming:
- C++, Java, Python, and more
- Functional and Logic Programming
- Full Software Lifecycle

Computing:
- Linear Programming , Machine Learning, Optimization

Managing:
- Unix, RDBMS, TCP/IP, aws

Problem Solving Skills:

Laurent Oget has been using mathematical theory and computing practice to solve problems big and small about data for 20 years, among which 4 years dissertation work, 5 years building a state of the art network optimization system, but also a daily dose of bug fixes and performance improvement for the last decade.

Communication Skills:

Laurent Oget has been involved in scholarly publications, patent discussions and high-stakes client-facing meetings, as well as daily collaboration in teams of collaborators with diverse cultural and technical backgrounds in the context of fast evolving projects while staying in touch with state of the art methods and constantly learning new tools.

Foreign Languages:

Fluent French and English. Working knowledge of German.

Education:

1991-1995 Ecole Normale Supérieure de Cachan
1993   Maitrise de Mathématiques, Université Paris XI *(BS in Mathematics)*
1996-2000 Ph. D. in Theoretical Computer Science:
                Dissertation: "Codes d'arbres et Automates d'arbres"

Professional Experience:

2008-06/Present Senior Software Engineer
Predictix/LogicBlox
(acquired by Infor in 2016)
Developing high performance machine learning and optimization processes, from high-level design to production trouble-shooting. Prototyping a ground-breaking assortment planning application. Building the interface between a deductive database and a variety of optimization technologies, from theorem provers to linear programming.

2006/2008-06 Senior Software Engineer
Optimi Corporation
Maintaining and developing a performance critical deductive database engine using the full spectrum of generic (templates) and object-oriented (Design Patterns) C++ techniques. Migration to Oracle DBMS solution. Java and C++ interoperating (JNI)

2005-2006 Senior Software Engineer
LSI Logic
Implementing support applications for Raid-Array Controllers
Mission critical C++ and Java/Swing
Mentoring beginner Java Developers

2000-2005 Senior Development Engineer,

Zvolve Systems
Implementing the core optimization component of Conscious(r), an award winning Real Time Traffic Engineering system for IP Data Network, a performance critical software component, tested in the labs of major carriers.

Designing the algorithm for the Conscious BGP product and writing the optimization engine in C++. (co author of the associated patent)

1994-2000 **Teaching Assistant - Math and Computer Science**

Various department at the University of Paris