

Julien Ponge

PhD in computer science and engineering.

Opensource developer. IzPack project founder.

French citizen.

28 years old.

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Profile

Long-time opensource developer who created the IzPack project (<http://izpack.org/>). IzPack is a Java-based software installer generation framework which is now part of the Codehaus Foundation. It has been used by a wide range of companies and projects across the world (Sun Microsystems, JBoss/RedHat, XWiki, Nuxeo, Canon Europe and more) and it is downloaded around 25.000 times per month. IzPack is sustained by a very active community and a professional services offering (consulting, support and custom development).

Julien holds a joint PhD in computer science and engineering from Université Blaise Pascal, Clermont-Ferrand, France, and the University of New South Wales, Sydney, Australia. His research focused on the model-based analysis of web services interactions. His research results have been published in conferences and journals, including the prestigious ACM Transactions on Software Engineering and Methodology and IEEE Internet Computing journals. His academic activities also included teaching on a wide range of computing topics: application integration, Java, software engineering, databases, operating systems and advanced programming.

Positions

IzPack project leader (2001 - present)

I created the project and built its community to make it the premier opensource solution for creating cross-platform Java-based software installers. I made special showcase installers for GlassFish (the Java EE application server from Sun Microsystems) and the Groovy programming language. I was invited by Sun Microsystems to attend JavaOne 2008, talk at CommunityOne 2008 and L'Acquarium Paris 2008 events.

Skills developed: software engineering, distributed collaboration, project management.

IzPack Professional services (2009 - present)

I launched a professional services offering for IzPack, both to better serve specific companies needs and keep fostering the project.

Skills developed: entrepreneurship, customer service.

Temporary lecturer at Université Blaise Pascal, Clermont-Ferrand, France (October 2004 - August 2009)

I taught a wide range of topics to bachelor, master and engineering students. I introduced and developed innovative lectures on Java EE 5 with GlassFish as well as advanced programming techniques based on dynamic languages (e.g., Ruby). I also did the administration of collaborative development servers, helped in creating a new professional bachelor degree on application integration and negotiated classroom licenses for IntelliJ IDEA with its provider (JetBrains). I was also an invited lecturer at the University of New South Wales on software testing methodologies.

Skills developed: teaching, talking.

PhD candidate in computer science and engineering (October 2004 - July 2008)

I was able to pursue my PhD studies through a grant from the French Research Ministry, the University of New South Wales, and a special grant from the French Foreign Affairs Ministry to cover my travel expenses between France and Australia.

Skills developed: thinking out of the box, exploring and evaluating alternatives, innovating, handling high pressure and workloads, arguing for ideas and solutions in written reports and public talks, technology transfer.

Intern at Michelin Group, Clermont-Ferrand, France (April 2003 - August 2003)

As part of the software tools methods and support group of Michelin (the leading tyre manufacturer worldwide), I investigated the Eclipse platform technology. I elaborated the plug-in development guidelines and wrote some proof of concept ones, including code generators. The plug-ins that I developed were pushed in production environments to assist application developers (IBM Websphere RAD).

Skills developed: software engineering, promoting solutions, leveraging emerging technologies to make them a viable solution within the constraints of an industrial environment.

Education

2008: PhD (*Doctorat*) in computer science and engineering from Université Blaise Pascal, Clermont-Ferrand, France. *With distinctions.*

2008: PhD (*under cotutelle agreements*) in computer science and engineering from The University of New South Wales, Sydney, Australia.

2004: Master in computer science and engineering from Université Blaise Pascal. *Ranked first.*

2002: Bachelor degree (*Licence*) in computer science and engineering from Université Blaise Pascal. *Ranked first.*

Skills

- ✓ Software development in Java, C/C++, Ruby, Python, Groovy and Scala.
- ✓ Integrated development environments: IntelliJ IDEA, Eclipse and Netbeans.
- ✓ Agile software development methodologies.
- ✓ Web development in JavaEE and scripting languages (Ruby on Rails, Python, PHP, etc).
- ✓ Version control tools (Git, Mercurial, Subversion, CVS).
- ✓ Automated build and testing tools (Ant, Maven, JUnit, EasyB, RSpec, etc).
- ✓ Service-oriented architectures: web services (SOAP, POX, REST) and dynamic execution environments (OSGI).
- ✓ Pragmatic research and development that bridges academic and industrial approaches.
- ✓ Working and managing within a distributed development team.
- ✓ Writing reports, delivering talks and teaching.

I speak and write fluently in French and English. I also have some notions of German.