

# Jonas Bonér

## *Personal Info*

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**Company:** Crisp AB <http://crisp.se/>

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## *Highlights*

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I am a pragmatic who is passionate about technology, learning new things and helping others to work better and more effectively. I am a programmer, mentor, speaker and author who spends most of my time consulting, hacking on open source as well as lecturing and speaking at developer conferences world-wide. I have worked at Terracotta, the JRockit JVM at BEA and am an active contributor to the Open Source community; most notably created the AspectWerkz Aspect-Oriented Programming (AOP) framework, committer to the Terracotta JVM clustering technology and been part of the Eclipse AspectJ team.

## *Specialities*

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Java, Scala, JEE, Scalable Highly-Available and Fault-tolerant Architectures, Functional Programming, Object-Oriented Programming, Aspect-Oriented Programming, Agile Coaching and Mentoring, Open Source Strategy and Community Building, Domain-Driven Design, Enterprise Integration, Web and Enterprise Development, System Architecture, Distributed and Concurrent Computing, Bytecode Manipulation and Compiler Design.

## *Work Experience*

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- **Consultant, Crisp AB, Sweden**

2009 - present

- Consultant, mentor, speaker, teacher, agile coach.

<http://crisp.se/>

- **Founder, Scalable Solutions AB, Sweden**

2009 - present

- CTO and architect.

- Developing the next generation server infrastructure for fault-tolerant, highly concurrent and scalable applications.

<http://scalablesolutions.se/>

- **Co-Founder and CTO, Triental AB, Sweden**

2008 - 2009

- Team lead, agile coach, developer and architect.

- Building a finance product suite for private banking and wealth management using Scala and JEE.

<http://triental.com/>

- **Senior Software Engineer, Terracotta, Inc., US**

2005 - 2008

- Team lead and agile coach.
- Worked on Terracotta's core JVM-level clustering technology, including runtime bytecode manipulation, AOP technologies, high performant multi-threaded code, integration with various Open Source frameworks etc.
- Technical evangelist (speaking at conferences, writing articles and papers etc).
- Strategic due diligence.
- Open Source strategy, community building and marketing.  
<http://www.terracottatech.com/>

- **Senior Software Engineer, BEA Systems AB, Sweden**

2003 - 2005

- Worked in the JRockit (JVM) Team on design, architecture and development in the fields of AOP, runtime tools, JVM support for AOP as well as technology evangelism (speaking at conferences, writing articles and papers etc).
- <http://bea.com/>

- **System Architect, Sony NetServices, Austria**

2002 - 2003

- Worked as a system architect at Sony designing and developing system ranging from large-scale enterprise application systems to digital TV and mobile technologies.
- <http://www.sony.com/>

- **JEE Consultant, Consafe Infotech AB, Sweden**

2000 - 2002

- Worked as a JEE consultant, implemented various enterprise application systems using state-of-the-art techniques and technologies.
- <http://www.consafeinfotech.se/>

## *Selected Technical Skills*

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Scala, Java, Clojure, Ruby, Erlang, Python, Mozart/Oz, Haskell, JavaScript, Actors, REST, AJAX, Wicket, jQuery, SQL, UML, JEE, EJB, RMI, Servlets, JSP, JSF, JPA, JDO, SCA, WebServices, JMS, JDBC, HTML, XML, SAX, DOM, StAX, JAXB, JAX-RS, AspectJ, AspectWerkz, Spring, Hibernate, Terracotta, WLS, WebSphere, Jetty, Geronimo, Tomcat, JBoss, Win32, Unix, Linux, Mac etc.

## *Open Source*

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- **Terracotta**

- Committer to the Terracotta JVM-level clustering technology, other responsibilities included technical evangelism, strategy, community building, support, marketing, QA and project management. - Terracotta is Open Source JVM-level clustering for Java.  
<http://terracotta.org/>

- **AspectWerkz**

- Founder, architect and lead developer of the AspectWerkz project, other responsibilities included support, marketing, QA and project management.
- AspectWerkz is a high-performant, dynamic, lightweight and powerful AOP framework/compiler/runtime for Java, which utilizes bytecode manipulation to instrument classes at build-time, class load time or runtime (JIT).

<http://aspectwerkz.codehaus.org/>

- **AspectJ**

- Member of the AspectJ Team at Eclipse.
- AspectJ is an AOP framework/compiler/runtime for Java (can be used either through a language extension to Java or through plain Java). It became the defacto standard for AOP in Java after merging with AspectWerkz in 2005.

<http://www.eclipse.org/aspectj/>

- **backport175**

- Founder and lead developer of the backport175 compiler.
- backport175 is a fully compliant backport of the Java 5 annotations (JSR-175) specification. Making strongly typed annotations available for JDK 1.3/1.4. They are bytecode compatible with Java 5 annotations making them available for use by standard tools (APT, IDEs etc.).

<http://backport175.codehaus.org/>

- **Lift Web Framework**

- Committer.
- Lift is an expressive and elegant framework for writing web applications. Lift stresses the importance of security, maintainability, scalability and performance, while allowing for high levels of developer productivity. Lift is written in Scala.

<http://liftweb.net/>

- **Scala OTP**

- Founder and committer.
- The Scala OTP project implements a platform and runtime for deployment, execution and management of Scala Actors, similar to Erlangs OTP platform, for implementation of highly fault-tolerant, distributed actor-based enterprise systems.

<http://github.com/jboner/scala-otp/>

- **The Skelman Container**

- Founder.
- A minimalistic JEE container for Scala.

<http://github.com/jboner/skelman/>

## ***Publications***

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### **Books**

- **The Definitive Guide to Terracotta: Cluster the JVM for Spring, Hibernate and POJO Scalability, Apress, 2008**

<http://www.apress.com/book/view/1590599861>

### **Selected Industry Articles**

- **Distributed Web Continuations with RIFE and Terracotta, August 2007**

[http://www.artima.com/lejava/articles/distributed\\_continuationsP.html](http://www.artima.com/lejava/articles/distributed_continuationsP.html)

- **Web Applications with Spring Web Flow and Terracotta for Spring, April 2007**

<http://www.infoq.com/articles/spring-web-flow-terracotta>

- **How to Build a POJO-based Data Grid using Open Terracotta, January 2007**  
<http://jonasboner.com/2007/01/29/how-to-build-a-pojo-based-data-grid-using-open-terracotta/>
- **Distributed Computing Made Easy, TheServerSide.com, May 2006.**  
<http://www.theserverside.com/tt/articles/article.tss?l=DistCompute>
- **JRockit JVM support for AOP - Part 1, dev2dev.com, July 2005**  
<http://dev2dev.bea.com/pub/a/2005/08/jvmaop1.html>
- **JRockit JVM support for AOP - Part 2, dev2dev.com, July 2005**  
<http://dev2dev.bea.com/pub/a/2005/08/jvmaop2.html>
- **AspectWerkz 2: An Extensible Aspect Container, TheServerSide.com, November 2004**  
<http://www.theserverside.com/articles/article.tss?l=AspectWerkzP1>

### Academic Articles

- **Clustering the Java Virtual Machine using Aspect-Oriented Programming, March 2007**  
AOSD 2007  
<http://www.jonasboner.com/public/publications/AOSD2007Final.pdf>
- **Java Virtual Machine support for Aspect-Oriented Programming, March 2006**  
AOSD 2006  
<http://www.jonasboner.com/public/publications/JVMAOPAOSD2006.pdf>
- **What are the key issues for commercial AOP use - and how does AspectWerkz address them?, March 2005**  
Invited Industry Talk for AOSD 2005  
[http://www.jonasboner.com/public/publications/aosd2004invitedtalk\\_aspectwerkz.pdf](http://www.jonasboner.com/public/publications/aosd2004invitedtalk_aspectwerkz.pdf)
- **AspectWerkz: Dynamic AOP for Java, March 2004.**  
AOSD 2004  
[http://www.jonasboner.com/public/publications/aosd2004\\_aspectwerkz.pdf](http://www.jonasboner.com/public/publications/aosd2004_aspectwerkz.pdf)

A complete listing can be found at: <http://jonasboner.com/articles/>

## Education

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- **Certified ScrumMaster**  
Scrum Alliance (Ken Schwaber), 2006
- **B.Sc. in Computer Science**  
Mid Sweden University, 2000
- **Various courses in Mathematics**  
University of Stockholm, 1996

## *Speaking Engagements*

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A complete list can be found at: <http://jonasboner.com/talks>

## *Awards, Interviews etc.*

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- **Award: Who Is Who In Enterprise Java 2004?**  
Voted in as part of The Middleware Companys list of the 52 most influential leading experts in the Java enterprise community (world-wide).
- **JetBrains Academy**  
Invited into the JetBrains Academy.  
<http://www.jetbrains.com/devnet/whos/index.html>
- **Interviewed by InfoQ on Terracotta for Spring, XA compliance, Data Grids etc., Sept 2006.**  
<http://www.infoq.com/news/terracotta-spring>
- **Interviewed by JayWay on AOP, distributed computing etc., April 2006.**  
[http://www.jayway.se/download/JayView10\\_2006.pdf](http://www.jayway.se/download/JayView10_2006.pdf)
- **Interviewed by JavaHispano on commercialization, current status and future of AOP etc., November 2004.**  
[http://www.javahispano.org/text.viewer.action?file=jonas\\_en](http://www.javahispano.org/text.viewer.action?file=jonas_en)

## *References*

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Available upon request. Some endorsements can be found on LinkedIn.  
<http://www.linkedin.com/in/jonasboner>