



Astels Consulting

David R. Astels

Senior Consultant

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Profile

I have over twenty years experience developing hardware and software systems, most of it working with object oriented technologies, including: C++, Java, Smalltalk, Python, and Ruby.

I am an internationally recognized authority in the areas of Test-Driven Development, eXtreme Programming, Agile Software Development, and Object-Oriented Programming. My book on Test-Driven Development was winner of the 2004 Jolt Product Excellence Award in the Technical Book category: *"presented annually to products, books and websites that have 'jolted' the industry by helping to create faster, easier and more efficient software"*.

I have spoken and sat on expert panels at a variety of conferences globally, including: Smalltalk Solutions, SD-West, SD-Best Practices, JA00, XP200n, XPAU, the new Agile conference, and OOPSLA.

I have trained programmers in TDD, at various companies, large & small.

Experience

Consultant/Mentor, Bahai National Center; Evanston IL USA (Feb. 2006 -)

I worked with the team developing BNC's national membership system. The team was a mix of BNC employees and Object Mentor consultants.

Consultant/Mentor, DiamlerChrysler; Auburn Hills, MI, USA (Feb. 2005 - Jan. 2006)

I worked with the team developing DiamlerChrysler's handheld service technician diagnostic device. This involved improving the software's architecture and design, improving the object-oriented skills of the team, and improving the testing, both technical and functional.

Consultant, Astels Consulting; Greenwich, NS, CA (Feb. 2005 -)

I offer consulting services to clients in areas including: object-oriented software development, agile software development, agile testing, and software architecture.



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Application Architect, ThoughtWorks, Inc.; Chicago, IL, USA (Jul. 2004 - Feb. 2005)

I consulted in the areas of Object-Oriented software development and Agile processes and practices for clients including 5Square Systems in LA, and DaimlerChrysler in Detroit.

Coach, Spirent; Rockville, MD, USA (Mar. 2004 - June 2004)

I assisted a team with agile process adoption, testing, object-oriented design and programming of a telecommunications diagnostic system.

Mentor, Fannie Mae; Herndon, VA, USA (Dec. 2002 - Mar. 2004)

I consulted to a large Java-based project in Object-Oriented Design and development best practices, including unit testing strategies, JUnit usage, refactoring, and Agile processes.

Coad Certified Mentor, TogetherSoft LLC; Raleigh, NC, USA (Jan. 2000 - Aug. 2001)

I developed and delivered training on Object Modeling, Design Patterns, and related topics. I was also responsible for the conceptualization and implementation of TogetherSoft's developer community portal.

Contract Programmer, ISO New England; Holyoke, MA, USA (May 1999 - Dec. 1999)

I developed parts of an energy trading system.

Founder, Adaption Software, Inc.; New Minas, NS, CA (Nov. 1998 - Jul. 2004)

I performed consulting and training in Agile process and practices. In addition to the above clients, I trained various companies in Test-Driven Development.

Programmer, AudeSi Tech., Inc.; Calgary, AB, CA (Jan. 1998 - Apr. 1999)

I was responsible for a large part of the design and implementation of AudeSi's first product: a counter-top smartcard terminal. I was also involved in the architecting of their second product: an information appliance development framework.

Team Lead, Tragoes Inc.; Calgary, AB, CA (Sep. 1996 - Dec. 1997)

I led the research and development effort on the server component of Tragoes' intellectual property protection system.

Programmer, Smart Tech., Inc.; Calgary, AB, CA (Apr. 1995 - Sep. 1996)

I was involved in various projects including data conferencing applications the Smart Ideas product.

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Programmer and Team Lead, Axia Inc.; Calgary, AB, CA (Aug. 1993 -- Apr. 1995)

Initially I was involved in the design and implementation of Axia's CD-ROM edutainment product platform. Later I was responsible for the product R&D department.

Education

The University Of Calgary, Calgary, Alberta --- MSc, 1995

Acadia University, Wolfville, Nova Scotia --- BCSH, 1991

In both cases, my specialties were natural language processing and machine learning.

Publications

Blogs at www.daveastels.com and www.artima.com

Astels, D., (2004). *A Perfect FIT* in Better Software Magazine (March 2004).

Astels, D. (2003). *Test-Driven Development: A Practical Guide*. Prentice Hall. ISBN 0-13-101649-0

Astels, D., (2002) editor and author. *The Coad Letter: Test-driven Development Edition*.

Astels, D. and Miller, G and Novak, M. (2002). *A Practical Guide to eXtreme Programming*. Prentice Hall. ISBN 0-13-067482-6

Referrals

Available upon request.

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