

## **GIT WORKSHOP MIT MATTHEW MCCULLOUGH**

### **WANN ?**

Mittwoch, 4. Mai 2011, 09:00 - 16:00

### **WO ?**

Spitz Hotel - Raum "Round Table 1"  
Fiedlerstrasse 6  
AT - 4040 Linz  
www.spitzhotel.at

### **ANMELDUNG**

E-Mail (mit Name und Adresse des anzumeldenden Teilnehmers) an [office@martinahrer.at](mailto:office@martinahrer.at).  
Zum Workshop werden maximal 20 Teilnehmer zugelassen.

### **PREIS**

€330,00 (zuzüglich MwSt.)

Im Preis enthalten sind Getränke sowie ein Brötchenbuffet zu Mittag! Ermäßigtes Parken in der Hoteltiefgarage ist möglich.

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### **CLASS OUTLINE**

(DYNAMICALLY ADJUSTS TO AUDIENCE QUESTIONS)

- What is Git?
  - Why a distributed version control system?
  - How does Git differ from previous VCS systems?
- Installing Git
  - The 5 minute litmus test
  - No systemic intrusions
- Day-to-day commands
- Three stage thinking
- Git under the hood: Hashes, DAGs and Treeish
- A code-and-commit workflow
- Remotes
- Branching in Git
  - Cheap branches
  - Managing branches
  - Merging code
  - Rebasing: A better merge
- Navigating the tree: diff, ls-tree and show
- Workflows
  - Offline sharing
  - Pushing and pulling
  - Commander, lieutenant and soldier
  - Centralized
- Tools
  - GUIs and IDEs
  - Web tools
  - Git hosting

### **CLASS PRE-REQUISITES**

Basic knowledge about a version control system, whether that be Subversion, CVS, Perforce, StarTeam, SourceSafe, ClearCase or any similar product.

### **CLASS OBJECTIVES**

The objective of this class is to help developers:

- Understand how Git works and how to apply that to day to day development.
- Learn the basic 10 commands that will appear in every-day use of Git.
- Know how to "back out" mistakes using Git's incredible history and ability to revert almost any change.
- Leverage the collaboration features of Git for productivity boosts with colleagues.
- Discover how the offline capabilities of Git work "under the hood" and how to use those to work in more places with less reliance on connectivity.

### **MATTHEW MCCULLOUGH'S BIO**

Matthew McCullough is an energetic 15 year veteran of enterprise software development, world-traveling open source educator, and co-founder of Ambient Ideas, LLC, a US consultancy. Matthew currently is a trainer for GitHub.com, author of the Git Master Class series for O'Reilly, speaker on the No Fluff Just Stuff tour, author of three of the top 10 DZone RefCards, including the Git RefCard, and President of the Denver Open Source Users Group.

His current topics of research center around project automation: build tools (Maven, Leiningen, Gradle), distributed version control (Git), Continuous Integration (Hudson) and Quality Metrics (Sonar).

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