Software Engineering

General

References

- Programming Language Reference Sheets
- Cheat-Sheets.org

Presentations

- 97 things every programmer should know - JAZOON 2010 keynote

Articles

- An Introduction to Software Factories
- 89 Ways for You to Become the Greatest Developer in the World
- The Maintainable Software Mindset
  The Four Pillars:
  1. KISS - KEEP IT SIMPLE STUPID
  2. YAGNI - YOU AREN'T GOING TO NEED IT
  3. DRY - DON'T REPEAT YOURSELF
  4. STAY ORGANIZED
- Eliminate Architecture
  "The best way to deal with architecture is to eliminate it."
- Modularity by Example
- Lean Architecture: approach to architectural improvements
- The Three C's of architecture
- 6 Practices For Successful Software Development Project
- NoSQL Ecosystem
- 8 Must-see UX Diagrams

Methodology

Agile

- Creating an Agile Environment
- Agile Ruined My Life
- Top 100 Agile Books (Edition 2011)

Scrum

- Introduction to Scrum---An Agile Process

Unified Process

- OpenUP -The Best of Two Worlds

Software Configuration Management

- The Importance of Branching Models in SCM

People

- When Good Developers Go Bad
- The 5 types of programmers

Software Architecture

General

- The Evolution of Systems Integration
- The 2nd Law of Software Development
- Frequently Forgotten Fundamental Facts about Software Engineering
- 10 Must-Know Topics For Software Architects In 2009
- When Good Architecture Goes Bad - Talks about software erosion
- IaaS, PaaS and SaaS Terms Clearly Explained and Defined

Books

- The Architecture of Open Source Applications

Architecture Style

REST

- Common REST Design Pattern
- Why understanding REST is hard and what we should do about it – systematization, models and terminology for REST
- Devoxx 2010 LAB: ReST in Java

Software Design

Design Pattern

- Design Patterns
- Real world Java examples of GoF design patterns

Data, Context, and Interaction (DCI)

- Data, Context, and Interaction (Wikipedia)
- The DCI Architecture: A New Vision of Object-Oriented Programming - original article by the inventor of DCI (Trygve Reenskaug).
- DCI Cheat Sheet - see also http://www.maxant.co.uk/whitepapers.jsp
- Qi4j - Java framework for DCI
- Not Your Grandfather's OO: Data Context Interaction
- DCI (Data, Context and Interaction), Traits, Roles - collection of articles on DCI
- The DCI Architecture - presentation by the contributor of DCI (James O. Coplien)

UML Modeling

Articles

- UML Overview (2002)

User Interface Design

- Diving Into The User Interface With Fundamental Questions