

**Fred Klein**

French, born in 1971, married, 3 children.

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## Technical Project Leader Agile Development RUP and XP

### Work Experience

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- Since 2001** **IT Consulting** Innovation Process Technology Inc., Zug (Switzerland).  
*as of 2008* Consulting in SOA, Business Rule Engine, Enterprise Application Integration, 50 persons.
- **Service Oriented Architecture:** Large pharmaceutical company.  
Designed, implemented and deployed WebServices on WebLogic Server, with support for SAML.
  - **Project Management:** Large Swiss bank.  
Lead and implemented two J2EE projects for cash and portfolio management. Teams up to 10 persons over up to 8 months. Applied RUP and XP techniques.  
Introduced iterative development, coding style-guides, unit tests and pair-programming.  
Coached team on architecture issues and supported junior developers on OO design.
  - **Requirement and Process Engineering:** Swiss insurance company.  
Analysed Business and System Use-Cases, documented requirements using UML notation.  
Introduced estimation methodology and tooling. Supported Iterative Development Process.  
Consulted in Computer Human Interaction: designed and implemented specific Java-Swing disclosable panels for increased GUI comfort.  
Coached team members on development process, UML and Java-Swing
  - **GUI and Interaction Design:** Consulted in Computer Human Interaction: designed and implemented front-end Swing GUIs to a database storing European aeronautical data.  
Implemented a specific Java-Swing layout manager.

- 1996 to 2001** **Software Engineering** Biveroni Batschelet Partners AG, Baden (Switzerland).  
*Financial Electronic Data Interchange, 50 persons.*
- **Object Oriented Programing :** introduced C++ and coached team members.
  - **Build Management :** lead and implemented the redesign of the integration environment.
  - **Design :** developed a cross-platform IPC library (NT / UNIX) for a cryptography server.  
Implemented key management and communication to dedicated hardware.  
In charge of the maintenance releases for 230 Swiss banks.

- Additional Experiences since 1990**
- Attended Opsla 2002 and CHI 2004 conferences.
  - Developed and maintained a customer relationship management database.
  - Internship : developed a computer aided video surveillance system for an airport.
  - Developed several professional applications during summer holidays.

### Skills

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- Architecture** SOA, J2EE, multit-tier, Corba. Internet: network, XML, Security (PKI). Unix, IPC, Multithreading. Computer Human Interaction design (CHI), Web design.
- Management** Agile Project Management: Rational Unified Process (RUP) and eXtreme Programming (XP).
- Engineering** Object Oriented analysis, design and implementation. UML, Java, C++, Objective-C. Development of generic components (library, framework). Introduction and management of development environments (version control, IDEs)
- Languages** Native French, fluent in English and German.

### Education

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- 1995** Master of Science in Computer Science  
*University Louis Pasteur, Strasbourg (France).*
- 1992** Math Degree  
*University Louis Pasteur, Strasbourg (France).*

### Hobbies

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- Interests** Photography, calligraphy, development for MacOS X.
- Sports** Snowboard, trail running and mountain biking.