

ODBMS.ORG User Report No. 23/08

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Category: Industry

Domain: Various

User Name: Robert Huber

Title: *Managing Director (Geschäftsführer)*

Organization: **7r gmbh, Switzerland.**

Robert Huber. Started after studying Electrical Engineering at brugg-Windisch (FH) to work as a Test Engineer in Zurich for Faselec AG (Philips AG), a chip design and production facility. Worked there for 6 years- Post-graduate studies in Technical Software Engineering. Worked at M-Informatic AG in the field of Methodical Software. Development, teaching this subject and working at customers projects as Methodology Leader Post-graduate studies in Technical Software Engineering (again).

Q1. Please explain briefly what are your application domains and your role in the enterprise.

Robert Huber: I am founder of software development and consulting company 7r gmbh. Working since 11 years for this company in software development, consulting and as project leader.

Application domains are two fold:

- Developer of a “Schulverwaltungs- und Informationssystem für Kantonsschulen”
- Developer of the TrackIT 2 application to produce maps for the swiss railways (SBB), done together with our partner company Duplex Design in Basel. See www.trafimage.ch, click Karten on the left and downloda a map to see the result.

Q2. When the data models used to persistently store data (whether file systems or database management systems) and the data models used to write programs against the data (C++, Smalltalk, Visual Basic, Java, C#) are different, this is referred to as the “impedance mismatch” problem. Do you have an “impedance mismatch” problem?

Robert Huber: I don't understand what you mean by ... data models used to write programs against the data ...? If I understand you correctly, we

have an impedance mismatch, designing data models and creating the logic with JavaScript and Java.

Q3. What solution(s) do you use for storing and managing persistence objects?

Robert Huber: PostgreSQL/PostGIS and Sybase iAnywhere

What experience do you have in using the various options available for persistence for new projects? What are the lessons learned in using such solution(s)?

Robert Huber: Databases, the above mentioned databases, as well as Oracle in conjunction with Servoy as a development and deployment platform.

Q4. Do you believe that Object Database systems are a suitable solution to the "object persistence" problem? If yes why? If not, why?

Robert Huber: Depends on the application. For example, reporting and (mass) queries seem not so elegant to very slow for object database, whereas if only programmed objects need to be stored it's obviously quite well.

Q5. What would you wish as new research/development in the area of Object Persistence in the next 12-24 months?

Robert Huber: No wishes currently for that subject, as we use relational databases for our projects.