

Curriculum Vitae

MANFRED MOSER

VICTORIA, AUGUST 2009

## 1 Personal Details

**Dipl.-Ing. Manfred Moser**

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## 2 Summary

As a senior software engineer with internationally gained team leadership and project management experience and a science/engineering background I have an extensive understanding of all phases of the software development life cycle. I apply my knowledge of software architecture, database design, object-oriented design, modeling and programming mostly using agile development processes like eXtreme programming and scrum to deliver optimal results for my clients and employer.

## 3 Education

**MSc Technical Physics (Diplom Ingenieur)** Technical University Graz TUG in Graz, Austria 1990-1997 and Royal Melbourne Institute of Technology RMIT in Melbourne, Australia 1996-1997 completed with Distinction

**Technical Environmental Protection** interdisciplinary postgraduate course attended in parallel to main course at Technical University Graz 1993-1997

**Linux Professional Institute Certified** Level 1 Linux system administrator

## 4 Work Experience

**Senior Software Engineer, Genologics Life Sciences Software Inc. Sept. 2007 - July 2009**

### Roles and responsibilities

- senior software engineer working on enhancements of a server driven thick client as well as web based lab management application including a complex array of server and client side components
- member of cross functional architecture core team in technical lead role
- member of development infrastructure administration and steering team

### Technology

- Java 5 and 6, Groovy, JBoss AS, Maven, Ant, Swing, Hibernate, Spring Framework, JasperServer Pro and many Java related libraries and tools, Subversion, Oracle, PostgreSQL, JIRA, Fisheye, Crucible, Bamboo, Nexus, Confluence,

**Senior Software Developer, Cardiocomm Solutions    Sept. 2003 - July 2007****Roles and responsibilities**

- senior software developer and architect responsible for web based medical application including a complex array of server and client side components
- specializing in Java based J2EE reporting and workflow application and all Java related systems
- configuration and integration management for external applications
- project management and team leadership consulting
- system analysis and quality management technical input and assistance

**Technology**

- Java 5, JSP/Servlets, JBoss J2EE Server, Tomcat, Ant, Maven, Anthill, Hibernate, JasperReports, JBoss Seam, JBPM, CVS, Subversion, Anthill, continuous integration, test driven development, extreme programming, lots of Java related libraries and tools, (T-)SQL, (D/X)HTML, XML, XSL, Javascript, VisualBasic, ASP, VBScript, MS Windows2000 Server, MS IIS, MS SQL Server, PHPProjekt

**Business Intelligence Consultant, eVolution                    March 2002 - April 2003****Roles and responsibilities**

- business intelligence consulting guiding business and technical clients from initial discussions and requirements development and scoping through to the actual implementation and final production usage in management and development roles
- programmer, designer and consultant for Business Objects implementations
- project manager for distributed company IT infrastructure implementing web mail system and web based groupware system
- system administrator, web master and web strategy manager and implementor facilitating a Red Hat Linux Server with Apache web server, PostgreSQL database server and PHP based web systems

**Technology**

- Business Objects, SQL, Visual Basic, VBA, ASP, HTML, DHTML, XHTML, PHP, JavaScript, Java, Oracle 7 and 8, PostgreSQL, DB2, Windows NT/2000 Server, Unix (Sun Solaris, Red Hat Linux, Suse Linux), Unix scripting, Apache, MS IIS, Sendmail, OpenSSH, Horde, PHPProjekt, SAP, CISOV ERP system, GIMP

**Web Developer & Consultant, Sportal Australia    part-time March 2002 - Dec. 2002****Roles and responsibilities**

- programmer and consultant for various sports related web portals providing technical and management help and development services using ASP, SQL and others

**Technology**

- MS IIS, Visual Basic ASP, SQL, MS SQL Server, HTML, DHTML, XHTML, XML, XMLSpy, JavaScript, Adobe Photoshop

**Project Manager & Development Team Leader, iBase Global    May 2000 - Feb. 2002****Roles and responsibilities**

- software architect and lead developer with up to 15 team members
- team leader for the development team responsible for resource management, time allocation, tracking, reporting, team management and professional development
- project manager for various projects; tasks including business analysis, development, client management and implementation
- product manager for WebFrames

**Technology**

- MS IIS, Visual Basic ASP, Visual Studio, MS SQL Server, HTML, DHTML, XHTML, XML, WML, JavaScript, Adobe Photoshop, Macromedia Dreamweaver, Macromedia Homesite, MS Project, MS Team Manager

**Technical Writer, overseas contractor for Soziale Arbeit    Jan. 2000 - May 2000****Roles and responsibilities**

- authoring technical documentation for CADIS

**Technology**

- MS Access, SQL, VBA, HTML, JavaScript, Adobe Pagemaker, Adobe Photoshop, Macromedia Dreamweaver

**Information Technology Officer, Soziale Arbeit    Feb. 1999 - Jan. 2000****Roles and responsibilities**

- lead developer for development and implementation of a distributed client database system CADIS 'Computer Aided Documentation In Social Work' for the documentation of social work and internal data using MS Access

- project manager for the design and implementation of the company web site featuring all departments
- designer of new company logo
- hardware and software consultant for all staff

**Technology**

- MS Access, SQL, VBA, HTML, JavaScript, Adobe Pagemaker, Adobe Photoshop, Macromedia Dreamweaver

**Research Associate, Austrian Mobility Research      Oct. 1997 - Jan. 1999****Roles and responsibilities**

- project manager and research scientist for the EC research project MATADOR ‘MANagement Tool for the Assessment of Driveline technOLOGies and Research’
- project manager and developer for the implementation of a corporate web site
- project assistant for the Car Free Tourist Villages research project and EDITION and RIDE multimedia educational projects
- consultant for English language and computer/internet related issues
- specialising in alternative transport- and drive systems with a focus towards electric vehicles; mobility in general and especially for tourism

**Technology**

- MS Access, SQL, VBA, HTML, JavaScript, Adobe Pagemaker, Adobe Photoshop, Macromedia Dreamweaver

**University Holiday Jobs      1989-1995**

windsurfing, sailing- and water ski instructor as employee and school manager in Austria, Greece and the Maldives

**School Holiday Jobs      1986-1989**

various jobs in supermarkets, a bank, travel agency and a furniture shop

**5 Skills****Project and team management**

- insight and practical experience in international project management and acquisition in various areas such internet, multimedia, film, databases and application development, public relations, science, research and interdisciplinary projects

- time, resource, staff and financial management with a good sense of leadership and responsibility

**Information technology related experience and skills**

- business process analysis s developing requirements and scope leading to specification and design including full client contact
- software development from specification onwards for the full life cycle including support using various methodologies specialising in agile methodologies like test driven development and extreme programming
- software architecture and database design
- user interface design
- advanced knowledge about hardware, software, networks and system administration

**Programming and Markup Languages**

- Java, SQL(various dialects), PHP, JavaScript, Unix shell scripting, Visual Basic, VBA, VBScript, ASP, C/C++, Fortran, Pascal, Basic
- HTML(DHTML, XHTML, iTV, WML), XML, XSL, T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X

**Operating Systems**

- GNU/Linux (Debian/Ubuntu, Red Hat, Suse), MS Windows 3.11-XP, MS Windows NT/2000, AmigaOS

**Development Tools**

- IDEA IntelliJ, Eclipse, NetBeans, Ant, Maven, MS Visual Studio, (X)Emacs, Vi, CVS, Subversion, MS SourceSafe, Quanta Plus, Macromedia Dreamweaver, Macromedia Homesite

**Server and Database Related Software**

- JBoss J2EE, Tomcat, Apache, MS IIS, PHPProjekt Groupware, Horde web mail, PHPNuke/Postnuke CMS
- MySQL, PostgreSQL, Oracle, MS SQL Server, MS Access
- Business Objects software suite (including Designer, Reporter, Supervisor, Broad Cast Agent, Webintelligence)
- CISOV utility ERP and billing system

**Public relations and desktop publishing**

- text, layout, design and preparation of multimedia presentations, posters, questionnaires, reports, folders, web sites, logos . . .
- conduct presentations, workshops and forums
- conference attendance and dialogue/poster session discussion
- video and film production including script, camera, editing and post-production with analog and digital equipment

**Other skills and competencies**

- creativity techniques and workshop management
- interview techniques
- empirical social science
- group moderator and discussion management
- languages German and English fluently

**6 Major Achievements**

**Development Process and Infrastructure Improvements** Initiated and contributed to implementation of various process and infrastructure improvements at Genomics Life Sciences Software empowering agile development practices

**JasperServer** Successfully lead the implementation of embedding JasperServerPro in an off the shelf Laboratory Information Management Software for reporting and data mining

**Vancouver Island Java User Group** founding and successfully growing a new Java user group encouraging networking and communication in the local developer community

**Consulting** successfully applying my team leadership, project management, software development and system architecture experience in various consulting positions as business intelligence consultant for the full satisfaction of my clients

**WebFrames** significant contribution to the success of iBase Global due to the software architect, lead developer and development team leader role leading to a successful product with a wide range of deployments

**Australian visa and IEAust membership** making the plan to emigrate to Australia and successfully obtaining a permanent resident visa and as a additional result gaining membership with the Institute of Engineers Australia acknowledging my qualifications

**Pilzi! Pilzi! Blubb, blubb . . .** producing a professional white water paddling video end to end and winning a competition and new friends with the video

**CADIS application development** delivery and successful deployment of a highly sophisticated custom built documentation and management software including technical documentation

**FGM AMOR web site** managing the successful launch of the web site with insufficient resources and time lines due to high commitment and prior knowledge gained from private endeavours

**MATADOR EC research project** successfully learning the required skills for social science works and bringing about a core direction change of the project due to our findings; efficient cooperation and coordination with partners all over Europe

**University Course** finishing the course Applied Physics with distinction based on multiple performance scholarships and a successful diploma thesis ‘Development and Application of an External PIXE Facility’ and the publication of three scientific papers written during my overseas studies in addition to many extracurricular activities and voluntary subjects

## A Publications

1. **Endbericht Machbarkeitsanalyse umweltfreundlicher Verkehrstechnologien in Tourismusregionen** *A. Andrae, T. Fischer, M. Kargl, M. Moser, W. Red* FGM-AMOR, report for the Auftour project, Graz, July 1999
2. **Criteria used by Fleet Owners to Select A Vehicle Technology** *M. Kargl, M. Moser* FGM-AMOR, article and lecture at the 5th International Conference on Technologies and Combustion for a Clean Environment, Lisboa, July 1999
3. **List of Relevant Standards for Electric and Hybrid Powered Vehicles** *T. Zemmrich, M. Moser* FGM-AMOR, Report for the MATADOR project of the Commission of the European Union, DG XII, December 1998.
4. **Fleet Managers & Decision Makers - Characteristics and Demands in Relation with the Deployment of Alternative Drive Line Systems and Motor Fuels** *M. Moser, A. Andrae* FGM-AMOR, Report for the MATADOR project of the Commission of the European Union, DG XII, November 1998.
5. **Characterisation of Fleet Managers and their Demands in Relation with the Deployment of Alternative and Electric Driven Vehicles** *M. Moser, A. Andrae, R. Smokers, C. B $\ddot{u}$ chner* MATADOR project of the Commission of the European Union, DG XII, Paper and poster for dialogue session at the 15th Electric Vehicles Symposium and Exhibition, Brussels, October 1998.
6. **Results of the Questionnaire** *M. Moser, A. Andrae* FGM-AMOR, Report for the MATADOR project of the Commission of the European Union, DG XII, August 1998.
7. **Applications of External PIXE to Ancient Egyptian Artefacts** *M. Moser, I. F. Bubb, P. N. Johnston, M. El Bouanani, W. B. Stannard and R. C. Short* Proceedings of the 10th Australian Conference on Nuclear Techniques of Analysis, Canberra, 23-26 November 1997.
8. **Development of An External Beam Facility for PIXE at RMIT** *M. Moser, I. F. Bubb, P. N. Johnston, M. El Bouanani, W. B. Stannard and R. C. Short* Proceedings of the 10th Australian Conference on Nuclear Techniques of Analysis, Canberra, 23-26 November 1997.
9. **Elemental Analysis of Artefacts in Air** *P. N. Johnston, M. Moser, I. F. Bubb, M. El Bouanani, W. B. Stannard and R. C. Short* Australian Institute for the Conservation of Cultural Material Bulletin, 22& 23:73-77(1997&1998) presented at the National Heritage Conference, Preserving the Past for the Future, Rottneest Island, September 1997.
10. **Applications of External Beam PIXE at RMIT** *M. Moser, I. F. Bubb, P. N. Johnston, M. El Bouanani, W. B. Stannard and R. C. Short* Nuclear Instruments and Methods in Physics Research B139 (1998) 164-168; presented at the 5th European Conference on Accelerators in Applied Research and Technology, Eindhoven, Netherlands, August 25-30, 1997.

11. **Development of the RMIT External Beam Facility for PIXE** *M. Moser, I. F. Bubb, P. N. Johnston, M. El Bouanani, W. B. Stannard and R. C. Short* Nuclear Instruments and Methods in Physics Research B 136-138 (1998) 841-845; presented at the 13th International Ion Beam Analysis Conference, Lisboa, Portugal, July 1997.
12. **Development and Application of an External PIXE Facility** *M. Moser*, Diploma thesis, Royal Melbourne Institute of Technology RMIT and Technical University Graz TUG, July 1997.

## B Projects

1. **Vancouver Island Java User Group:**  
*2005-2009, <http://www.mosabuam.com/vijug>*  
Founder and major driver of the user group including venue, sponsor, accreditation and presentation organisation
2. **jBPM - Java Business Process Management:**  
*2005-2006, <http://www.jbpm.org>*  
Contributor to the open source project specializing in database backend
3. **LARS - LARS Abbreviates Reporting Services:**  
*2003-2006*  
Integration of replacement of reporting engine for Global Cardio facilitating a J2EE application server architecture
4. **Global Cardio:**  
*2003-2006*  
Cardiology web application software development and improvements
5. **LPI - Linux Professional Institute:**  
*2003*  
achieving Linux Certified Professional status via self tuition and continuing improvements building upon practical experience
6. **Origin Energy – Business Objects implementation:**  
*2002/2003*  
streamlining, management and improvements on Broadcast Agent server based Business Objects implementation on Oracle database hosted utility customer information and billing system CIS Open Vision (<http://www.aseriti.com>), including universe design, complex report creation, data-mart, VB automation and management
7. **Business Objects consultant:**  
*2002/2003*  
consulting for Business Objects applications suite including Reporter, Designer, Supervisor, Broadcast Agent and WebIntelligence Server on Unix and Windows based operating systems at various clients (BP, Rio Tinto, Origin Energy, CGU Insurance and Visy Paper)
8. **eVolution server – internet technologies application:**  
*2002/2003, <http://www.evolution.com.au>*  
GNU/Linux server administration for internet, intranet and email, implementation of web-email front-end Horde/Imp/Turba, implementation of web based group-ware solution PHProjekt, integration of both systems with improved public web site, Business Objects reporting on PHProjekt, web site design, authoring and maintenance
9. **Australian Football League AFL – internet portal:**  
*2001/02, <http://www.afl.com.au>*  
re-launch of Australian rules football portal including web sites for all clubs as well as the

governing body, responsible for required WebFrames development and implementation consultancy

**10. Inside Sport – internet portal:**

*2001, <http://www.insidesport.com.au>*

sports magazine web site implemented with WebFrames 2.0; responsible for scope and implementation consultancy

**11. City of Greater Dandenong - Drugs and Safety – internet portal:**

*2001/02, <http://www.greaterdandenong.com/drugs/>*

information portals implemented with WebFrames 2.0; responsible for scope and implementation consultancy

**12. Fitness2Live – internet health portal:**

*2001/02, <http://www.fitness2live.com.au>*

feature rich fitness and health portal for members and the general public; responsible for scope, development, implementation and client contact management; project manager for release 1 and 2

**13. Interlink IDL – extranet business portal:**

*2001/02, <http://www.ild.com.au>*

combined extranet and internet presence for Interlink and associated businesses; responsible for scope, development and implementation consultancy

**14. Gaze basketball tipping – competition component for internet site:**

*2001/02, <http://www.gaze.com.au>*

The Worldgame tipping component re-implemented and patched for basketball tipping competition

**15. Professional Golfers Association of Australia – sporting body internet portal:**

*2001, <http://www.pga.org.au>*

port of content from WebFrames 1.0 based site into WebFrames 2.0 replicating design and features; responsible for software development scope and implementation

**16. New South Wales Institute of Sports – sporting body internet portal:**

*2001, <http://www.nswis.com.au>*

port of content from WebFrames 1.0 based site into WebFrames 2.0 including complete visual make over; responsible for software development scope and implementation

**17. Australian Olympic Committee – sports portals:**

*2001/02, <http://eag.aoc.org.au>*

start with East Asian Games 2001, sports event information web site using WebFrames 2.0; responsible for business analysis, client contact, tutoring and implementation; successful rapid implementation lead to the use of WebFrames 2.0 for various other web sites of the Australian Olympic Committee AOC including <http://www.olympics.com.au> and <http://www.aoc.org.au>

**18. Mawson Financial group - extranet business portal:**

*2001; <http://www.extranet.mawsongroup.com.au>*

responsible for software development scope and implementation

19. **Best Value 2 - City of Greater Dandenong – intranet business application:**  
*2001*  
quality assurance and business process enhancement solution facilitating WebFrames 2.0 with enhanced features including questionnaires; responsible for software development scope and implementation
20. **WebStar - City of Greater Dandenong – intranet information portal:**  
*2001*  
port of WebFrames 1.0 based intranet information portal and business tool to WebFrames 2.0 including various enhancements; responsible for software development scope and implementation
21. **Victorian Soccer Federation – internet sports management portal:**  
*2001/02, <http://www.soccervictoria.org.au>*  
soccer management and information portal facilitating WebFrames 2.0; responsible for business analysis, scope, development, implementation and maintenance
22. **West Coast Eagles – internet portal:**  
*2001/02, <http://www.westcoasteagles.com.au>*  
Australian football club fan portal facilitating WebFrames 2.0; responsible for business analysis, scope, development and implementation
23. **Brisbane Broncos – internet portal:**  
*2001/02, <http://www.broncos.com.au>*  
Rugby League club fan portal site facilitating WebFrames 2.0; responsible for business analysis, scope, development and implementation
24. **WebFrames 2.0 – content management system:**  
*2000-2002, more at <http://www.ibaseglobal.com.au>*  
feature rich generic content management system, includes content management, document management, sports management, role based security, user interface for web site and web page construction, personalisation engine, affiliate system, powerful internal workflow system and much more; responsible for full software life cycle including software architecture, database design, version control management, constant enhancements, programming, documentation, development management and product management
25. **Affinity 3 – fundraising business application:**  
*2000, <http://www.affinity3.com>*  
system for lottery based initiatives for the fundraising and corporate markets providing an online inventory management system with Tattersalls; responsible for initial distributed database design and development for the multi-tier architecture
26. **PGA Tour Australia – internet portal:**  
*2000-2002, <http://www.pgatour.com.au>*  
golf specific content management system and web site facilitating live feed system provided by Unisys; responsible for migration and expansion of previous system including hosting, maintenance, further development and client management with Sportal and SBS

27. **The Worldgame – tipping competition component:**  
*2000-2002, <http://www.theworldgame.com.au/tipping/>*  
semi generic tipping module; solely responsible for scope, specification, business analysis and implementation after failure of two previous suppliers catering for high traffic requirements, component successful since launch
28. **The Worldgame – internet portal:**  
*2000, <http://www.theworldgame.com.au/>*  
Australia's largest soccer web site administrated by Sportal; responsible for migration and modification of previous system including hosting, development and client management with Sportal and SBS
29. **Tasmanian Cricket Association TCA – sports management internet portal:**  
*2001/02, <http://www.tascricket.asn.au>*  
system based on replica of the VCA system; responsible for resource allocation
30. **Professional Golfers Association of Australia – internet portal:**  
*2000, <http://www.pga.org.au>*  
WebFrames 1.0 based web site with custom development for golf tournament management and private section of the site; responsible for project management and implementation
31. **Bushrangers – internet portal:**  
*2000-2002, <http://www.bushrangers.com.au>*  
WebFrames 1.0 based web site with custom development for cricket and media related features; responsible for project management and implementation
32. **New South Wales Institute of Sports – sporting body internet portal:**  
*2000/2001, <http://www.nswis.com.au>*  
first web site facilitating the development for WebFrames 1.0 allowing for a rapid development of a large portal site; responsible for project management, business analysis, client contact and implementation
33. **WebFrames 1.0 – content management system:**  
*2000-2002*  
generic content management system based on the development for Sportal Australia; initiative to start development as well as solely responsible for project management, resource allocation and development; system deployed for various web sites
34. **Sportal Australia – multi sport internet portal:**  
*2000-2002, <http://www.sportal.com.au>, <http://www.sbs.com.au/tdf>, <http://www.tigers.com.au>, <http://www.v8x.com.au>, <http://www.boxingkangaroo.com.au>*  
custom built content management system continuously refined following customer demands including various content types, sports management facilities, shop and ad management, XML feed system, look and feel custom features, iTV version and various others; also used for Olympics site during Sydney 2000, SBS Tour de France site 2000 and 2001, Melbourne Tigers, V8x and Boxing Kangaroo; one of the biggest generic sports portal sites in Australia; solely responsible for project management, development and coordination as well as client contact, business analysis and scoping

35. **iBaseGlobal CRM – internet business application:**  
*2000/2001, private domain*  
online customer relationship management tool including profiling, administration and email functionality; development of profile specific email functionality, user interface enhancements and customer support
36. **Victorian Cricket Association VCA – sports management internet portal:**  
*2000-2002, <http://www.viccricket.asn.au>*  
custom built content and sports management system specifically catering for cricket including club level management features, biggest grassroots internet portal in Australia
37. **Robson – corporate internet site:**  
*2000, <http://www.robsonpaddle.de>*  
online company profile and products presentation for the white water kayak, paddle and equipment manufacturer including graphical design, content assembly and implementation
38. **Pilzi! Pilzi! Blubb, blubb... – white water paddling action film:**  
*1999-2000, <http://www.mosabuam.com>*  
complete production of the professional white water kayaking video including an audio CD sampler, winner in the professional class at the Rosenheimer Kanufilmtage 2000 with two other international productions, work included project management, stunts and action, camera, script, digital video cut, post editing, digital special effects including 3D animation and cover designs
39. **Alpine Kayak Club – internet portal:**  
*1998-2000, <http://www.alpine-kayak-club.org>*  
club web site for the international extreme white water kayaking club Alpine Kayak Club AKC, total redesign of existing web site and webmaster
40. **Soziale Arbeit – corporate internet site:**  
*1999-2000, <http://www.soziale-arbeit.at>*  
company web site for Soziale Arbeit GmbH including multiple sub channels for all departments – the street magazine *Asfalter*, the restaurant *Schmankerl*, a second hand clothes and furniture shop, removal and transport service and various social work departments
41. **CADIS – business application:**  
*1999-2000*  
Computer Aided Documentation In Social Work, a distributed multi tier database system including multiple user interfaces, reports, data analysis tools and database synchronisation tools, work included database design, user interface design, implementation including programming, installation and support and technical documentation
42. **Kayakasamma – white water paddling action film:**  
*1998/99, <http://www.mosabuam.com>*  
winner of the amateur white water kayaking video contest Rosenheimer Kanufilmtage 1999, work included project management, stunts and action, camera, script, digital video cut, post editing, digital special effects including 3D animation

43. **Forschungsgesellschaft Mobilität $\frac{1}{2}$  – corporate internet site:**  
*1998/99, <http://www.fgm-amor.at>*  
company presentation web site; project manager solely responsible for design, development, implementation and maintenance of the web site including coding, graphic design and content
44. **MATADOR – EC and Austrian research project:**  
*1997-99*  
'Management Tool for the Assessment of Driveline technologies and Research'; project of the Commission of the European Union, DG XII; project management and processing; project manager for Austrian part of this EC wide project; work carried out including European wide mail survey and interviews with decision makers, analysis and report as a base for cooperation with project partners on the development of a decision support system design
45. **Car Free Tourist Village – EC and Austrian research project:**  
*1998/99*  
'Machbarkeitsanalyse umweltfreundlicher Verkehrstechnologien in Tourismusregionen'; study for a project for several Federal Austrian Ministries, associations and villages regarding environmental friendly transport modes and alternatives for tourism regions; project assistant for recherche, organisation, reporting and publications work
46. **EDITION – educational multimedia CD-ROM – EC research project:**  
*1998/99*  
'Education for pupils in the field of mobility on CD-ROM'; project of the Commission of the European Union, DG XI; CD-ROM based multimedia instructional game for pupils about traffic and transport issues and awareness; project assistant for recherche, controlling, design advice and web site development
47. **RIDE – educational multimedia CD-ROM – FGM-AMOR project:**  
*1998/99*  
internal project for the development of a multimedia CD-ROM as an introduction to the field of mobility; project assistant for content, design and coordination
48. **Waterways – white water paddling action film:**  
*1997/98, <http://www.mosabuam.com>*  
personal white water and rodeo paddling video, all work done in cooperation with my brother including stunts and action, camera, script and analog video cut
49. **Waterways – white water paddling internet portal:**  
*1996 until present, <http://www.mosabuam.com>*  
private web site dedicated to white water paddling and more, all work done in cooperation with my brother including coding, design and content