

# Peter Füreder

## Curriculum Vitae

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Date of birth: 16 december 1972

Hometown: Steyr, Austria

### Education

- 10/1995–present **Computer Science**, *Vienna University of Technology*, Vienna, life-long learning.
- 2/2004–8/2004 **Erasmus Exchange Program**, *Rijksuniversiteit te Leiden*, The Netherlands.
- 10/1994–5/1995 **Certificate of access to higher education**, *Vienna University of Technology*, Vienna.
- 06/1992 **Higher Technical School for Automotive Engineering**, *Steyr*.

### Work Experience

#### Vocational

- 2/2012–present **System Administrator**, *Messerli Research Institute (MRI)*, Vienna,  
Design, deployment and administration of the technical infrastructure  
Development of automated systems for testing cognitive behaviour of animals  
Development and Deployment of a recording system for scientific studies of animal behaviour  
Technical support for administrative and scientific staff.
- 1/2009–present **Entrepreneur**, *Member of Proclos network*, Vienna,  
Enterprise Server Virtualization  
Network analyzing and supervision  
(Re-)Design, deployment and administration of Business Infrastructure  
Web Application programming  
Technical IT-Consulting.
- 11/2010-7/2011 **Administrator and Software Engineer**, *Kapper.net*, Vienna,  
Deployment and customization of PBX server  
Deployment of web application hosting server  
Data centre customization/maintenance  
Enterprise Server Virtualization.
- 6/2009-7/2010 **Region-Speaker**, *Open Source Experts Group - WKO*, Vienna, The OSEG is a special interest group of the Chamber of Commerce. Main focus is the coordination of activities promoting the market access of open source solutions and the networking of all relevant open source stakeholders.

- 2/2007-12/2009 **Entrepreneur / CTO, Proclos OG, Vienna.**  
 Founder and CTO of Proclos a software development company focused on network technologies and data mining/analyzing in enterprise systems.  
 Design and implementation of a web application to control and overview a solar cell manufacturing plant using Zope3.  
 Development and deployment of firewall and VPN infrastructure solutions for large companies.  
 Consultant and web application designer for the city of Vienna to restructure and reorganize the Press and Information Services.  
 Development of web service based middleware infrastructure to control and visualize OLAP systems
- 7/2008-7/2009 **Member of board, osAlliance, Vienna,** The osAlliance cooperative is a non-profit research and open source software development organisation.
- 9/2004-1/2007 **Software Engineer, Vienna University of Technology, Vienna.**  
 Web application designer and administrator for the Faculty of Informatics.  
 Design and implementation of a new IT infrastructure for the faculty with main focus on services for the personnel and students.  
 Tested and implemented cluster and virtualization solutions to apply a more flexible and cooperative service platform for teaching personnel and technicians
- 12/2000-11/2001 **Software Engineer, Austria Consult, Vienna.**  
 Main developer of insurance broker software at Wiener Städtische (Metropolitan Data Service GmbH).  
 Further development of insurance broker software for the Wiener Städtische insurance company and partners, written in C++ and Java for Windows

### Miscellaneous

- before 2000 **Software Programmer and Administration Jobs,** various jobs, I mainly worked as a software programmer and system administrator.
- 10/1992–5/1993 **Mandatory service, Completed mandatory service in the Austrian Army as tank mechanic.**

### Languages

German **native**  
 English **fluent**

### Computer skills - In order of proficiency

- Platforms Linux, OSX, BSD, various other Unix variants, OpenStep, Windows
- Administration Web Server (apache), Email (postfix, mailman, spam protection), LDAP (openldap), Version control systems (mercurial, git, subversion,...), Web application server (zope, tomcat), PBX (asterisk), aso. In general good experience with various Linux standard services.
- Cluster and Virtualisation HA cluster (redhat, debian, centos), Virtualisation (kvm, virtualbox, openvz, vmware, xen), Database cluster (PostgreSQL)
- Embedded Systems VPN IPsec infrastructures, firewalls and traffic shaping (soekris/pfsense, openwrt), customized storage systems
- Network IPv4, IPv6, Web Services (SOAP, ReST, ...), sound Internet protocol knowledge (SMTP, HTTP, IMAP, SIP,...)
- Programming Python, Javascript, Bash, Java, C++
- Frameworks worked with various open source products: Node.js/Dojo, Zope 3/Plone, Django, ...

Databases PostgreSQL, SQLite, MySQL, DB2, ...  
Editor vim

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## Excerpt of Projects

MRI / PigTouch Touch screen for pigs based on node.js running on a a raspberry pi

Meyerburger /  
Steffi Zope3 Webapplication to control and monitor a solar cell factory in cooperation with Meyerburger Germany

Jedox /  
ETL-Server Zope3 based Cluster Management Interface for extracting loads and transforming processes in a business intelligence architecture

Dialog /  
IT-Infrastructure IPsec and Firewall Infrastructure solution for a large distributed company in the medical health sector, Design and implementation of a virtualized server infrastructure

Stadt Wien /  
Fluxomat Design and implementation of a centralized meta data system and a system for the dynamic remix and generation of RSS feeds originating from distributed information providers

Meyerburger /  
Janus PostgreSQL cluster with DRBD in cooperation with Meyerburger Germany

Ubit Wien /  
Polizeibesuch.at Design and implementation of an online decision tree serving as help sheet for ISP's to clarify legal status of requests for data disclosure to authorities of the state

Bernhaupt-  
Steiner /  
AransecNI Network Analyzing and supervision of a system with a connector to online analytical processing (OLAP) for realtime multidimensional reporting

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## Interests

Reading articles on current events, history of the Middle Ages, music, building and programming autonomous embedded systems