

Summary Résumé – Karl Auer

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Personal

Australian and Austrian citizenship
Resident in Lochiel, Australia
Born in Melbourne, Australia, on 15 April 1961

Qualifications

Bachelor of Arts (Germanic Linguistics) Australian National University, 1984
Graduate Diploma of Applied Computing Central Queensland University, 1996

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Memberships

Member, ACM
Founding Member, Internet Society of Australia
Life Member, PC Users Group (ACT) Inc
Member, Australian Unix Users Group
Member, Internet Society

Past memberships

Vice President, Internet Society of Australia
President, PC Users Group (ACT) Incorporated, 1991-1995
Communications Spokesperson, PCUG, 1995-1996
Member, Australian Capital Territory Online Services Advisory Group
Convenor, PCUG C/C++ Special Interest Group, 1988-1996
Awarded ACT Volunteer of the Year (Science and Education), 1995

Non-technical skills

- excellent written and verbal communicator
- experienced in writing, proofreading and editing user documentation
- experienced in writing, proofreading and editing technical documentation
- experienced in writing, proofreading and editing online documentation
- experienced trainer/presenter
- experienced in user support, especially remote support
- significant management/supervisory experience
- significant project management experience
- excellent awareness of privacy issues in a technical environment
- can speak, read and write fluent German

Technical skills

- expert in Internet related technologies
- expert in computer networking, especially TCP/IP networking
- expert knowledge of the Unix operating system
- expert in C, Pascal, Java
- competent in several other computer languages
- have worked with and developed for multi-user and multi-tasking environments

Special Interests

- privacy and freedoms in cyberspace
- networking, networks and the Internet
- object oriented design and development
- source code maintainability, portability and style
- multi-user/multi-tasking operating systems
- teaching
- poetry, writing, acting

Miscellaneous

Documented the Samba open source project.

Produced several submissions, privately and as a spokesperson for various community groups, to local and federal Government on matters relating to freedom and privacy in cyberspace. Appeared before a Senate Select Committee on the subject.

Translated, proofread and edited a colleague's PhD thesis of some 80 000 words.

I operate my own web and mail server in Australia, and have done so since about 1995.

Employment history

IPv6Now Pty Ltd

Director, Technical Director, 2007 – present

Supporting, educating and supplying business and Government as they plan and execution their transitions to IPv6.

Nullarbor Consulting, Pty Ltd

Director: DNS and DHCP consultant, 2005 – present

Support for my successor at ETHZ. Continued “dynamification” of the DNS and DHCP services at ETHZ. Telecommuting. General network services eg wireless network installs, custom PHP programming.

Eidgenössische Technische Hochschule, Zürich, Switzerland

Network manager, 1997 – 2005

Network management of a 30 000-node TCP/IP network. Software analysis, design and development, project leader, project manager. Documentation, training, presentations. Hostmaster, DHCPmaster.

Biplane Software

Director, 1986 – present

Software analysis, design and development, documentation, training. Software included a B-tree library in C, training included a course in C programming under QNX, documentation included proposals and user documentation.

Australian National University, Canberra

Network programmer, 1995 – 1997

As part of a team, management of a 20 000-node TCP/IP and Appletalk network on an ATM core. Assistance with the implementation of an Australia-wide WAN. Hostmaster. Documentation, in-house training.

Australian National University, Canberra

User support, 1993 – 1995

Local and remote PC support, process and application documentation.

The Internet Society of Australia

Vice president and founding member, 1996 – 1997 (volunteer position)

Setup of a community organisation, liaison with other community organisations, Government and regulators. Public relations, press coordination.

PC Users Group (ACT) Incorporated, Canberra (volunteer position)
President, 1991 – 1995 (committee 1989 – 1991)

Management of a 3000 member strong community group, including budget, planning, public relations, liaison with the wider community, Government and regulators. The Group provided various services to members, such as Internet access, training, monthly meetings with interesting speakers and a monthly magazine.

NEC Information Systems Australia,
Software Development Centre, Canberra
Senior software development engineer, 1992 – 1993

Software design and development of an image and records management and archival system in C on Unix.

Australian Optical Fibre Research, Canberra
Software analyst and designer, 1992

Software analysis and design for a process control application to control a machine making optical fibre signal splitters.

Paxus EDI, Canberra
Product support manager, analyst/programmer, 1990 – 1992

Software development of an EDIFACT document creation, management and communications application for use by importers and exporters. Remote support of customers. Liaison with the Australian Customs Service on technical issues.

Chemdata, Canberra
Analyst/programmer, systems programmer 1988 – 1990

Software development of a pharmacy retail application. Systems programming of communications drivers in USCD Pascal. Liaison with clients on technical issues. Remote and on-site support.

Department of Industry, Technology and Commerce, Canberra
User support, 1987

Onsite support of network users.

Parity People, Canberra
Account manager, 1986 – 1987

Located contractors to fill (mostly Government) IT positions. Interviewed candidates and employers.

Palm Computing, Canberra

Analyst programmer, 1984 – 1986

Software analysis, design and development on a wide variety of platforms using languages ranging from dBASE through COBOL, Pascal, C and multi-user BASIC. Applications mostly retail, accounting and point of sale.

Bruce Hall, Australian National University, Canberra

Workscheme coordinator, 1983

Coordinated and managed the student workforce.