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Josef (Joe) Wein

Summary of qualifications

22 years of experience in operating systems, redirectors, utility and application software, from CP/M to Windows XP. Chief architect (one of the three original engineers for DR DOS) at Digital Research UK. Extensive experience in design of single user to multi-user, multitasking real-time operating systems and device drivers, including graphics, network, CD ROM, tape, disk and other storage drivers. Extensive experience in internationalization issues. Fluent in C, C++, Java, NetWare programming, assembly, DOS/Windows internals, DOS/Windows system programming, DOS/Windows application development, encryption software, HTML and networking protocols.

Work experience

2002 **pgsc.NET** Yokohama, JP / Pacific Grove, CA
Consultant

2000 - 2002 **Novell, Inc.** Yokohama, JP / Pacific Grove, CA
Senior engineer

- Designed and implemented NT/Windows 2000 device drivers.
- Ported iFolder client application from Windows 9x to NT and Windows 2000.
- Developed Java client applet for Novell iFolder.
- Designed and developed Java-based installer for Novell iFolder server on Linux and Solaris platforms.
- Was involved in internationalization of all iFolder components, including multi-byte / Unicode support and multi-language support for the applet.

1995 - 2000 **PGSoft, Inc.** Sakado, JP / Pacific Grove, CA
Senior Software consultant

- Designed and implemented all NT device drivers
- Responsible for double byte support for all PGSoft products
- Responsible for critical components of PGSoft products, including: the QIC floppy tape driver for Tape-it for Windows 3.1 and Windows 95/98; the file system filter driver for Windows NT.

- Participated in the implementation of all PGSoft products, including the SaveButt versioning utility (InfoWorld Product of the Year Award, 1998).
- Developed and built NT versions of SuperDisk Accelerator (SDA); removable media encryption using file system filter drivers. SDA was distributed by Compaq, Packard Bell/NEC, and Imation.
- Developed and built European and Far Eastern versions of PGSoft products, including: European language versions of SDA for Windows NT; double byte character set enabled Japanese versions of SDA and SecondChance. SecondChance was distributed by PowerQuest.

1992 - 1995 **Novell GmbH** UK / Germany

Senior engineer

- Worked on multitasking kernel for Novell DOS 7
- Implemented Host Resource MIB for NMS for Novell DOS 7
- Worked on NWCDEX CD ROM redirector for Novell DOS 7 (converted to use DPMS DOS extender)

1989 - 1992 **Digital Research GmbH** UK / Germany

Principal consultant

- Worked on DR Net peer-to-peer network, including new ArcNet NIOS.
- Developed 286/386 memory manager for DR DOS 5.
- Task switcher, VCPI and XMS 2 support for DR DOS 6.0.
- Japanese input support for Japanese version of DR DOS.
- Designed and implemented DPMS protected mode extender for device drivers for DR DOS 7.

1984 - 1989 **Digital Research UK** Hungerford, UK

Senior engineer

- International versions of CP/M-86 and Concurrent DOS (CDOS), ports to OEM machines.
- Work on MS-DOS emulator, DOS-like utilities for CDOS.
- Developed memory manager, some VM drivers for CDOS 386.
- DOS-compatible native file system for CDOS XM and CDOS 386.
- Chief architect of DR DOS, wrote file system, BIOS, various drivers.

1981 - 1984 **BSP** Regensburg, Germany

Manager Research & Development

- Diskette format conversion software for dozens of diskette formats
- Port of CP/M 3.0, multiuser port of MP/M-86 to IBM PC XT
- International keyboard software licensed by IBM Germany and DR Europe

Education

1981-84 **FH Regensburg** Regensburg, Germany

Computer science studies

- Work practice with BSP, then a leading German software house

Other information

German citizen (spouse of a Japanese national - permitted to work in Japan)
Languages: Native level English, Native German; Japanese and French

References:

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