CV of David Keegan

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PROFILE

A Software Engineer and System Architect with extensive experience and a proven ability to formulate appropriate technical strategy and implement and deliver solutions.

KEY SKILLS

- Designing and implementing robust solutions to complex problems.
- Developing suitable test strategies and tools.
- Leading and mentoring development teams.
- Devising appropriate technical strategy and direction.
- Responding adequately to business requirements and issues.
- Java/JNI/Servlet, XML/XSL, C/C++, SQL/RDBMS, UML, Linux/ Unix, OS390/MVS, High Availability, OLTP.
- Effective communication and presentation.

QUALIFICATIONS

- Bachelor of Engineering (UCD Elec 1st Class).
- Coursework portion of ME in Digital/Control Systems (UBC 1st Class).
- Fluent Spanish and Irish, some French.
- Irish and Canadian citizenship.

EXPERIENCE

1999-2002 Marconi Dun Laoghaire (employment): Designed High Availability/Disaster Recovery and License Protection features for an n-tier web-based Network Management product and led a design and implementation team to successful delivery and deployment. High performance status monitoring, automatic failover, distributed command infrastructure, digital signatures, encryption. Java/JNI/Servlet C/C++ Shell Solaris HPUX Informix Perl.

Jul97-Feb99 IBM Austin (contract): Ported web/servlet-based Data Mining and Marketing applications to S390 mainframe. Solved ASCII/EBCDIC, RDBMS, security, and performance problems. Java/JNI/Servlet C++ AIX OS390 MVS DB2 SQL/CLI RACF.

Apr96-Jun97 Iona Technologies (contract): Ported Orbix middle-ware to OS/2 and various Unix platforms. Solved threading and filename problems. Developed test and benchmarking libraries. C++ CORBA HPUX AIX OS/2 Posix Threads.

Dec94-Sep95 System Dynamics (contract): Developed a Compound Document Storage Framework and PC to Mainframe File Transfer/Remote Execution APIs for a mobile Yellow Page advertising sales system. C++ VisualInfo VXREXX MVS SNA APPC.

1992-1996 Aldiscon (contract): Developed a multi-lingual GSM Short Message Agent for dialup users and a portable object oriented data entry framework with database and NLS support, scripting, and access control for various GSM applications. Cscape Unix SQL Oracle Ingres UML C++ HPUX Sybase.

Apr92-Mar94 Natural Language Systems (contract): Developed automated telephone query applications for credit union accounts and telecom cable records. C ISAM Unix VAX/VMS.

Jan87-Jan94 CRT International (employment): Led a team developing interfaces to reservations hosts and intelligent peripherals for a distributed Airline Checkin System. Developed container and client-server classes. Optimised transaction processing performance and maintained quality standards. Managed platform and language migrations. PASCAL C C++ CDOS PCLAN OS/2 NETBIOS RDBMS.

EXPERIENCE

Jan89-Jun89 J & E Davy (contract): Ported a Financial Dealer Workstation.

Feb88-Jun88 DKM (contract): Developed a Mortgage Interest Spreadsheet.

1985-1986 IBM Ireland (employment): Gathered and specified requirements for a Payroll Application.

1983-1984 MacDonald Dettwiler (Canada) (employment): Developed a user interface for a large Satellite Imagery System. PASCAL VAX/VMS FMS.

1981-1983 Williams Brothers (Canada) (employment): Developed serial line data replication for a real-time Railway Control System hot-standby feature. FORTRAN PDP11 RSX11.

1980-1981 University of British Columbia (student): Completed Master's coursework in Digital and Control Systems with 1st Class Honours. PASCAL FORTRAN Assembler.

1978-1980 Winkelaar Howard Associates (Canada) (employment): Designed electrical process control and power systems involving industrial microprocessors, instrumentation, and computer interfaces.

1977-1978 Varming Mulcahy Reilly (employment): Designed commercial and industrial electrical systems.

1972-1976 University College Dublin (student): Bachelor of Engineering (Electrical) 1st Class Honours. Summer work as a Heating Engineer, Canoeing Instructor, and Grape Picker.

1969-1972 Presentation College Glasthule (student): Leaving Cert Honours: Physics A, Chemistry A, Latin A, Maths B, French B, English C, Irish C.