

Dudley Irish

1166 2nd Avenue, Salt Lake City, Utah 84103
(801) 534-0533
dirish@arsmagna.com

Highlights

- Master of Business Administration and 20 years experience with all aspects of information technology.
- Management experience, both in operations and in team based development environments.
- Security: Familiar with regulatory environment, HIPAA, GLBA, etc. Extensive experience in defining and drafting security related policies. In depth knowledge of LDAP, Kerberos, Novell Identity Manager, Tivoli Identity Manager, and related identity management standards, tools and applications.
- Client/server, distributed and object oriented programming experience on many platforms including Unix, VMS, and Windows95 for both application and systems programming in C, C++, and Java.
- Broad experience with multiple databases including Oracle, DB2, and Sybase.
- Involved in all aspects of system administration including hardware and software maintenance contracts, system configuration, capacity planning and disaster recovery.
- Broad programming and administration experience on Unix including Sun Solaris, Digital Unix, IBM AIX, UP/UX, SCO Unix, and Linux.
- Design and administration experience on Ethernet, TCP/IP, and DEC-NET, including installation and troubleshooting of both local area and wide area networks.
- Patent, *Client-side encryption in a deduplication backup system* [US Patent 9,372,998].

Recent Projects

Data movement and storage product

A data movement tool designed to work in a distributed environment using “cloud” technology. Primarily targetting Ceph and OpenStack and focused on performing efficient deduplication in a secure encrypted context.

Data visualization and analysis tool

A complex analysis tool using Qt and OpenGL. Primarily responsible for driving the adoption of Test Driven Development and other best practices.

Forensic software using Oracle

Responsible for the database access layer and data model using Oracle. Developed a distributed, multi-threaded tool to analyze evidence and insert it into the database.

TDD Call Center Solution

Helped design and implement a distributed call center (PBX) solution which supports text communication via TDD (Baudot) devices.

Enterprise Identity Management Project

Designed and implemented an enterprise-wide identity management system based on IBM Tivoli Identity Manager, SunONE LDAP directory, Novell NDS and dirXML, and Netegrity SiteMinder.

Highly Distributed Processing Middleware

Led a team of engineers in porting and extending a component programming environment to be a multi-platform, highly distributed middleware product. Developed in C++ and Java and deployed on HP/UX, Linux, and Windows NT.

Internet Application Development

Led a team that migrated a static HTML web site to a database driven, dynamic content web site. Then developed tools to automatically generate custom web sites based on the contents of the database.

Data Movement Utility

Developed a multi-vendor data movement utility. This “data pump” was designed to move data efficiently between databases from different vendors.

Internet Deployed Commerce Applications

Led a team that developed/maintained a suite of internet deployed applications for commerce. Included a standard catalog/shopping cart application and several special purpose applications.

Port of Legacy Ingres System to Oracle

Lead a team that ported a legacy distribution center system from Ingres/VMS to Oracle 8/Digital Unix. Project included porting C programs with embedded SQL to the new platform and transforming programs from legacy data model to use Oracle Applications data model.

CRM using Oracle and CICS System

Created a customer database using Designer 2000, Developer 2000, and Borland C++ Builder. Targeted Oracle 7.3.2 with data exchanges to legacy system on IBM CICS system.

Custom Printing System Generating Postscript and AFP

Created a printing system controlled by project configuration files and input data which supported over 40 different projects. Created a distributed production control system which had one or more operator consoles which controlled the processing on several processing systems and 13 high speed laser printers.

Work History

Since starting my own consulting company, Ars Magna Inc., I have alternated between being a regular employee and consulting. Below are listed both the regular employers and the longer term consulting engagements.

Job Title	Employer	Dates
Sr. Software Eng.	Storagecraft Tech. Inc	Nov 2012 - present
Sr. Software Eng.	T.D. Williamson	Mar 2009 – Nov 2012
Software Eng.	AccessData	Aug 2007 – Mar 2009
Sr. Consultant	MRI	Oct 2006 – Aug 2007
Lead Consultant	Ars Magna	Aug 2004 – Oct 2006
Sr. Security Eng.	Zions Bank	Oct 2003 – Aug 2004
Exec Dir Adv. Tech.	Talk2 Technologies	Aug 2000 – Aug 2001
Lead Consultant	Ars Magna	Jul 1999 – Feb 2000
Sr. Developer	Egenic	Dec 1998 – Apr 1999
Team Lead	Ars Magna	Nov 1997 – Aug 1998
VP Technology	First USA	Feb 1997 – Sept 1997
System Analyst	Kodak Imaging Services	Aug 1994 – Dec 1996
Sr. Software Eng.	Park City Group	June 1993 – July 1994
Systems Adviser	Computer Task Group	Aug 1992 – May 1993
Software Eng.	University of Utah	Nov 1991 – April 1992
Mgr Comp. Oper.	University of Utah	Oct 1989 – Oct 1991
Evans and Sutherland	Network and System Admin	Jul 1984 – Oct 1989

Education

Masters of Electrical and Computer Engineering currently enrolled;

Masters of Business Administration University of Utah, 1995;

B.S. in Computer Science University of Utah, 1978-1981, Graduated *cum laude*; and,

Graduate level course work (35 hours) in Computer Science University of Utah, 1984.