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[http://corfield.org/ \(http://corfield.org/\)](http://corfield.org/)

Objectives

To help business be more effective and competitive through the creation of efficient, flexible and forward-looking architectures for IT systems and software applications.

To leverage and grow my extensive technical skills in tackling new and challenging problems within the enterprise.

Skills

- Over 25 years of software design & development.
- Over 15 years of OO analysis & design.
- Over 10 years of professional web development experience.
- SOA and EAI expertise including web services, JMS, XML standards.
- Keen aptitude and desire for learning and implementing new and emerging technologies.
- Methodologies and tools experience includes Booch, Objectory, OMT, Rational Rose, Together Control Center, UML.
- Language experience includes ActionScript, AIR, C, C++, CFML (ColdFusion Markup Language), Flex, Groovy, Java, Prolog, SQL, with exposure to Erlang and Scala.
- Platform experience primarily Unix, MySQL, Oracle.
- Open Source software advocate and author, regular conference speaker (since 2004).

Experience

- **Railo Technologies** - USA
 - April 2009 to date
 - Chief Executive Officer, formerly CTO
 - Railo Technologies is a professional services organization offering support and consultancy for companies that use Adobe ColdFusion and/or the free open source Railo CFML engine (a JBoss community project).
 - Technologies: CFML, Java, JBoss, SQL, Tomcat
- **Broadchoice, Inc.** - Bay Area, CA
 - February 2008 to April 2009
 - Chief Systems Architect & VP Engineering
 - Responsibilities:
 - Architectural vision for the Broadchoice Collaboration Platform.
 - Management of distributed engineering team.
 - Accomplishments:

- Ground-up redevelopment of hosted content management system as multi-tenant, extensible platform.
- Architecture, design, development of desktop collaboration application.
- Successful cloud deployment of two key Broadchoice product lines.
- Technologies: ActionScript, AIR, CFML, Flex, Groovy, Java, JBoss, JMS, SOAP, SQL
- **Freelance Consulting** - Bay Area, CA
 - March 2007 to date
 - Senior Consultant
 - Specialties:
 - Architecture for high-scale web applications.
 - Architecture for middleware integration.
 - Accomplishments include ActiveMQ "event gateway" for ColdFusion 8.
 - Technologies: ActionScript, CFML, Flex, Java, JMS, SOAP, SQL, Tomcat
- **Scazu, Inc.** - Bay Area, CA
 - March 2007 to November 2007
 - CTO / Co-founder
 - Technologies: CFML, SQL
- **Adobe Systems, Inc.** - San Francisco, CA
 - March 2006 to April 2007
 - Senior Computer Scientist / Team Lead, Hosted Services
 - Responsibilities:
 - Architectural vision: assist in creating the next generation infrastructure to support future hosted services offering at Adobe.
 - Technologies: ActionScript, CFML, Flex, Java, JBoss, JMS, SOAP, SQL
 - December 2005 to February 2006
 - Senior Staff Developer (transitional)
 - Responsibilities:
 - Architect the next generation of one of Adobe's key customer-facing web systems.
 - Technologies: CFML, Java, SQL
- **Macromedia, Inc.** - San Francisco, CA
 - July 2000 to December 2005
 - Director of Architecture / Senior Architect
 - Responsibilities:
 - Architectural vision: assist in creating an efficient and reliable global corporate infrastructure for all aspects of Macromedia's business.
 - Standards & Policies: work with senior IT staff to create cross-team policies for enterprise integration and best practices for software development.
 - Requirements analysis, design & development (Java, SQL, ColdFusion).
 - Team management.
 - Accomplishments:
 - Architected (and built) real-time volume order management infrastructure on top of Oracle Applications (2004-2005).
 - Developed JMS "event gateway" for ColdFusion MX 7 (2004).
 - Developed policies for enterprise integration as groundwork for shift to SOA (2004).
 - Chaired IT architecture council (2004-2005).
 - Contributed to Open Source application framework "Mach II" and developed public coding guidelines for its use (2003-2005).
 - Architected (and built) XML standards-based data interchange infrastructure

- for order management on top of Oracle Applications (2003-2004).
 - Developed (and maintained) coding guidelines, initially for Web Technology Group (2001-2003) and later as public guidelines for the ColdFusion community at large (2003-2005).
 - Created Web Technology Group to rebuild macromedia.com as a "zero-downtime" technology showcase for Macromedia products (2001-2003).
 - Managed IT architecture team (2001).
 - Championed JMS-based enterprise messaging and created a system integration roadmap based on XML standards (2001-2005).
 - Mapped out and documented entire IT infrastructure (2000) and then Allaire's infrastructure (2001) to assist with integration post acquisition.
- **IS Solutions Inc.** - Redwood Shores, CA
 - August 1999 - May 2000
 - Software Development Manager
 - Responsibilities:
 - On-site consulting.
 - Recruiting & staff management.
 - Requirements analysis, design & development (C++, Java, SQL, BroadVision).
 - Project management.
 - Mentoring other developers.
 - Accomplishments:
 - Created a top-class BroadVision development team that built a number of successful ecommerce and portal sites, as well as sample applications for BroadVision Inc to ship with their products.
- **Open Source Software Development**
 - 1995 to date
 - Lead developer on numerous CFML projects:
 - FW/1 convention-based MVC application framework (creator)
 - Edmund event-driven framework (creator)
 - Fusebox application framework (2006-2008)
 - Mach-II MVC application framework (2003-2005)
 - Plus several smaller projects around concurrency, closures, etc
 - Contributor to numerous CFML projects:
 - Transfer and Reactor ORM frameworks
 - Model-Glue MVC application framework
 - ColdSpring DI/AOP framework
 - Founder member of Boost C++ library project
 - Parts of GNU STL C++ library
- **ISO/ANSI/BSI C++ Standards Committees**
 - January 1992 - November 1999
 - ANSI J16 Secretary / UK representative to ISO
 - Responsibilities:
 - Participate in technical working groups
 - Record committee discussions and decisions (as secretary).
 - Accomplishments:
 - Maintained official records for both ISO and ANSI committees for three years.
 - Proposed changes that simplified the language and/or made it more consistent (accepted proposals include: simplified rules for `operator->()`, consistency for full and partial `template` specialization; contributed to proposals for separate `template` compilation models, `namespace` lookup rules and smart pointers).

- **IS Solutions plc** - Sunbury-on-Thames, Middx, UK
 - March 1997 - July 1999
 - Senior Consultant
 - Responsibilities:
 - On-site consulting.
 - Requirements analysis, design & development (C++, Java, SQL, BroadVision).
 - Project management.
 - Mentoring other developers.
 - Accomplishments:
 - Worked with a number of high-profile clients on requirements for ecommerce and portal sites (Toyota, Oracle, Thomas Cook, Toshiba, Vodafone).
 - Lead architect for Thomas Cook's ecommerce site - a custom C++ / BroadVision system. The site far exceeded all their success metrics.
- **Vodafone** - Newbury, Berks, UK
 - May 1996 - February 1997
 - Senior Software Engineer
 - Responsibilities:
 - Design & development (C++).
 - Accomplishments:
 - Contributed to the design and development of the world's first "no contract, pay-as-you-go" cellular phone system.
 - Re-engineered portions of Vodafone's core C++ libraries.
- **Programming Research Ltd** - Hersham, Surrey, UK
 - September 1995 - February 1996
 - Senior Consultant
 - Responsibilities:
 - Design & development (C++).
 - Mentoring other developers.
 - Accomplishments:
 - Designed second generation C++ parser and template analysis engine for QA C++.
- **Programming Research Ltd** - Esher, Surrey, UK
 - June 1991 - August 1995
 - Development Group Manager
 - Responsibilities:
 - Manage developers and support staff.
 - Short and long term project planning & product roadmaps.
 - C and C++ programming.
 - Accomplishments:
 - Represented the company interests on the BSI and ANSI C++ Standards committees.
 - Designed and developed QA C++, a C++ source code analyzer.
 - Developed C and C++ coding guidelines for clients in Europe and America.
 - Conducted automated code audits for clients that often pinpointed bugs their teams had been trying to diagnose for weeks or even months.
 - Reduced customer support ticket closure time from three weeks to one week.
- **Bacon & Woodrow** - Epsom, Surrey, UK
 - January 1991 - May 1991
 - Senior Programmer
 - Responsibilities:

- Design & development (C).
- Accomplishments:
 - Designed and developed a compiler for an actuarial formula language that targeted the Inmos transputer and achieved near-linear scalability up to 16 processors.
- **Knowledge Software Ltd** - Farnborough, Hants, UK
 - August 1986 - December 1990
 - Senior Software Engineer
 - Responsibilities:
 - Compiler and code optimizer design and development.
 - C and assembly language (SPARC, 88000, 68881) programming.
 - Accomplishments:
 - Co-designed and developed the first ANSI-validated C compiler.
- Prior experience included C, COBOL and IBM 8100 assembly programming for Sun Alliance Insurance Co. Ltd. as well as freelance work.

Education

- **Surrey University** - Guildford, Surrey, UK
 - 1983 - 1986
 - Postgraduate research on programming language design and implementation techniques
 - 1979 - 1983
 - BSc 1st (Hons) - Math & Computer Science

Training

- **Oracle DBA** - ODK Inc - Oracle 2000
- **BroadVision Component Development** - BroadVision - October 1999
- **OOAD/D using UML** - QA Training - July 1998

Other Information

I regularly speak at conferences and user groups worldwide, generally on the topics of software design and best practices. Recent conferences have included:

- [CFinNC](http://cfinncc.com/) (http://cfinncc.com/) - Raleigh, NC - October 2009
- [Scotch on the Rocks](http://www.scotch-on-the-rocks.co.uk/) (http://www.scotch-on-the-rocks.co.uk/) - Edinburgh, Scotland - June 2008 / London, UK - September 2008
- [cf.Objective\(\)](http://cfobjective.com/) (http://cfobjective.com/) - Minneapolis, MN - 2006, 2007, 2009 (in 2008 I was content chair for the conference)
- [Adobe MAX](http://max.adobe.com/) (http://max.adobe.com/) (formerly Macromedia MAX) - 2005, 2007, 2008
- [CFUNITED](http://cfunited.com/) (http://cfunited.com/) (formerly CFUN) - 2004-2009 (every year)
- [MXDU](http://mxdu.com/) (http://mxdu.com/) - Sydney, Australia - 2005 & 2004

In the last couple of years, I've spoken to the following ColdFusion user groups, some several times: Austin, Dallas, Denver, Los Angeles, Portland, Sacramento, San Diego, San Francisco, Seattle, Triangle Area (Raleigh, NC) as well as the Department of State (MD) and the Department of Revenue (OR).

Since June 2002 I have maintained a weblog called "[An Architect's View](http://corfield.org/) (<http://corfield.org/>)" focusing on software design in general and ColdFusion in particular. I currently get around 30,000 page views per month. My website also includes "C++ - Beyond the ARM", one of the textbook references on changes made to the C++ language by the ANSI/ISO Standards Committees as part of the ISO C++ 9X standard.

I am a US citizen.