

W. Craig Trader: Software Engineer / Technology Generalist

Contact Information:

101 Forest Ridge Drive, Sterling, Virginia, 20164-2812
703.736.0023 (home) 703.598.6506 (cell) craig@trader.name

Objective:

To find a dynamic and challenging position with a forward-looking company, working with exceptional people and the latest technologies.

Professional Overview:

I am a technology generalist, but I am also highly skilled in all aspects of software system design, development, testing, and deployment. My twenty-plus years of programming includes:

- Eight years developing distributed applications with Java / J2EE, C++, CORBA, and XML.
- Ten years using, enhancing, and developing Code Generators, CASE tools, 4GLs, and Application Frameworks.
- Sixteen years developing client-server and web database applications using Relational and Object-Relational databases.

Technical Specialties:

Programming Languages and Technologies: Java (J2EE, JSP, JDBC, JNI, Swing, JDO), XML, C, C++, CORBA, Spring, WebLogic, JBoss, Python, Perl, Data/C++, Data/Basic, Turbo Pascal, Fortran, PL/I, Assembler

Relational and Object Relational Databases: Oracle 8i, SQL Server, MySQL, Informix Illustra, PostgreSQL, Unidata, Universe, and Pick

Operating Environments: UNIX systems (Linux, Solaris, Irix, AIX, HP-UX, Ultrix, OSF/1, QNX, DG-UX), Windows (XP/2000/NT/98/95/3.X).

Professional Experience:

11/2001-present [Lockheed Martin](#), Crystal City, VA

10/2004 – present, MISSILE DEFENSE NATIONAL TEAM, ABM IPT, LEAD TOOLS ENGINEER

Responsible for developing processes, tools, and techniques for applying Model-Driven Architectures, Test Oracles, and Agile Development Processes to the development of the Advanced Battle Manager for the Missile Defense National Team (B). Responsible for deploying a distributed, integrated development environment for 100 developers.

11/2003 – 09/2004, CTL ACTD, SOFTWARE ENGINEER

Develop user interfaces with Model-Driven Architecture for interfacing with web services for Coalition Theatre Logistics Advanced Concepts Technology Demonstration.

07/2003 – 10/2003, ARCI, SOFTWARE ARCHITECT

Research, test, and recommend appropriate technologies for inclusion into future generations of the Advanced Rapid COTS Insertion sonar systems. Investigated clustered file systems that would meet the mission-critical requirements of modern sonar systems.

11/2001 – 06/2003, JTL ACTD, LEAD INTEGRATION ENGINEER

Responsible for integrating software from five co-contractors with Lockheed developed software for the Joint Theatre Logistics Advanced Concepts Technology Demonstration, including configuration management, testing, and scheduling integration experiments. Lead a team of 4 cross-functional engineers in support of the integration effort. Develop and Integrate distributed software systems using Java and CORBA to collaborate on Operations and Logistics information.

11/2000-05/2001 [ScoreBoard, Inc.](#), Herndon, VA

OpenNMS FELLOW / SOFTWARE ARCHITECT

Responsible for developing agent extensions to [OpenNMS](#), an Open Source Network Management Software package. Re-engineer corporate extranet using Java Server Pages for stability and manageability. Advise managers, developers, and IT staff on system architecture and performance issues.

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Professional Experience (continued):

07/1999-11/2000 **Vitel, Inc., Chantilly, VA**

SOFTWARE ARCHITECT

Responsible for architecture, design, and delivery of software systems for Real Time SCADA (Systems Control And Data Acquisition) applications using Java, C++, and CORBA, deployable under Linux and Windows NT. Provide labor, time and technology estimates for projects. Evaluate, analyze, specify, and design hardware and software solutions for internal and customer use.

05/1997-07/1999 **MITRE Corporation, Reston, VA**

SENIOR NETWORKING AND DISTRIBUTED SYSTEMS ENGINEER

Analyze and make recommendations about emerging technologies (Linux, CORBA, DCOM, XML, Java, Internet Protocols, Database Federation, Mobile Code) as applied to government and defense needs. Design and manage the development of an Intranet prototype for an allied Command and Control System. Integrate disparate legacy systems using Java and CORBA to implement event management and messaging.

03/1996-04/1997 **Kaizen Works, Reston, VA**

SENIOR SOFTWARE ENGINEER / WEB DATABASE SPECIALIST

Specify, design and implement Object-Oriented, web-based multimedia databases. Design and implement Python class libraries and extensions for database access and web site integration. Provide technical leadership and direction for programmers and engineers. Provide labor, time and technology estimates for projects.

03/1992-02/1996 **Datatel, Inc., Fairfax, VA**

ANALYST-PROGRAMMER / TOOLS & TECHNOLOGY SPECIALIST

Specified, designed, and implemented improvements to Envision, a platform independent CASE tool. Specified, designed, and implemented improvements to existing language translators (Basic to Data/C++) as well as new language translators (custom function translators). Specified, designed, and implemented data-porting tools to transition over two hundred customers from Information databases under Primos to Unidata under UNIX and VMS. Integrated and tested 3rd party middleware for client/server database access and reporting. Configuration manager for release 12 of Colleague, Datatel's premiere College Administration software.

08/1991-02/1992 **Ultimate Data Systems, Inc., Wilton, CT**

SYSTEMS ANALYST

Redesigned and implemented Accounts Receivable, Physical Inventory. Established programming standards for all new development.

03/1988-07/1991 **Pegasus Publishing Systems (PPS), Inc., East Brunswick, NJ**

05/1990 – 07 / 1991, SYSTEMS ANALYST / PROJECT LEADER

Designed and implemented a completely new system for managing the publishing of books and journals, including Inventory Control, Order Entry, Accounts Receivable, and General Ledger using a 4GL package under AIX/Universe and Pick. Directed programmer/analysts and junior programmers.

03/1988 – 05/1990, ANALYST / PROGRAMMER

Wrote several custom database systems, as well as specifying others for contract work. Maintained existing software and designed, wrote and installed major modifications to Accounts Receivables, Sales Analysis and Inventory Control sub-systems. Specified and implemented data conversions. Specified, installed and trouble-shot hardware. UNIX System Administrator. Managed two junior programmers and an outside contractor. Managed customer support for 10 customer sites.

03/1984-10/1988 **United States Air Force**

COMPUTER OPERATOR / SERGEANT

Worked with classified and unclassified real-time systems in direct support of NORAD (Woomera, Australia) and the Pentagon (Washington, DC). Assignments included personnel and training database design and implementation, as well as all aspects of computer systems management.

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Clearances:

2005 Completed SSBI for TS/SCI for National Geospatial-Intelligence Agency
2001-present DoD Secret, Lockheed Martin
1997-1999 DoD Top Secret, MITRE
1986-1988 DoD Top Secret / SB, USAF
1984-1986 DoD Secret

Education and Certifications:

2002-present [University of Phoenix](#), Pursuing a BS in Information Technology.
2001 [Brainbench Certifications](#), Systems Analysis, Linux Administration (General), Java 1
1997 [The MITRE Institute](#), Advanced Object Technology using Java and CORBA
1997 [Unify](#), Unify Development Courses
1996 [Informix](#), Illustra Development Courses
[Python Software Activity](#), Python Workshop
[JavaSoft](#), Java Developers Camp
1995 [Microsoft](#), Microsoft Certified Product Specialist
1984-1988 [United States Air Force](#), Military and Management Training courses, Computer Programmer Career Development Course, Computer Operator Career Development Course
1981-1983 [S.U.N.Y. College at Brockport](#), **Brockport, NY**, Majored in Computer Science and Mathematics
1977-1981 [Watkins Glen High School](#), **Watkins Glen, NY**, Graduated with Regents Diploma