

Gordon A. Smith

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Position Title: Senior Web Developer/Software Engineer/Analyst
Clearance: DOD TS, special accesses with an EBI

Summary of Qualifications:

Computer professional with thirty-three years of experience in the entire web and software system development processes, using a wide variety of computer platforms and languages. Skilled in rapid prototyping, computer graphics, video/multimedia, desktop publishing, concept visualization and creative web and software solutions. Experience includes web site and database development and management, as well as object-oriented, and rule-based software techniques. Pulling from decades of experience with numerous hardware and software products and techniques, I often combine these experiences, thinking out-of-the-box to come up with creative solutions to match a project's given resources and funding. I have been a part of the computer evolution from before Mac and Windows on through neural networks and artificial intelligence from the Commodore 64 and PDP11 to IBM mainframes on through responsive sites on mobile devices. I have developed software for Basic, Fortran, PLC, and Cobol to object-oriented LISP, Objective-C, and various current web languages (Cold Fusion, Javascript, dynamic HTML, PHP, ASP, Perl, etc.). I also use numerous software packages/techniques (Sharepoint, Dreamweaver, Cold Fusion, Premiere, Photoshop, Quark, InDesign, FrameMaker, Illustrator and many more). I am creative, self-motivated, positive, helpful, flexible, and quick to learn.

Education:

BS (Computer Science)	Pennsylvania State University	1981
BS (Biology)	Pennsylvania State University	1981
Certificate (Marine Science)	Pennsylvania State University	1981

Training:

iOS Mobile Development		2011
Flash Action Script	Dec	2008
Flash Professional	Dec	2008
MOSS Sharepoint 2007	Sept	2007
Datamining Training	Sept	2003
SPSS Training – Introduction To Clementine	Sept	2003
Cold Fusion Training	Nov	1998
MS Visual Basic course	Jan	1998
JAVA programming course		1996
RDR's Programming with DBKit	Mar	1993
RDR's Programming NeXT Computers	Mar	1993
GE Object Oriented Analysis course	Feb	1993
Sybase courses (Open Client, Fast Track)	Nov, Dec	1992
C++ Hands on Object-Oriented Programming course	Oct	1992
HNC Neural Networks course		1988
Natural Language Processing (George Mason University)		1983
ADA Teletraining		1983
GE Database Concept course		1982
GE Software Engineering Program		1982

Honors:

HD Team Award (NGA College), 2015
HD Team Award (NGA College), 2011
HD Team Award (NGA College), 2011
eLearning Team Award (NGA College), 2011
Team Appreciation Award (IC Legal Conference), 2007
BAH Involvement & Impact Award, 2006
BAH High 5 Award (IC web site), June 2005
Involvement & Impact Award, 2004
Certificate of Appreciation for Outstanding Performance (TESE), Oct 2004

Certificate of Appreciation for Outstanding Performance (NCEE), Feb 2003
 NSTG Team Award (AIRBAT 2.0), 2003
 O&M Team Excellence Award (NCEE/NISL), Dec 2002
 NSTG Team Award (AIRBAT), 2001
 Recognition Award (SAP), February 2000
 NRO Team Award, September 1999
 Team Appreciation Award (HRMG), Fall 1999
 Certificate of Appreciation for Outstanding Performance (MERLIN), April 1996
 GE Professional Recognition Program (PRP) Award, 1987
 Junior, National, Golden Key National, and Sigma Biological Sciences Honor Societies
 CEEB Advanced Placement Program (college), runner-up for PPG scholarship
 Citizenship, Leadership, Sportsmanship, Music, Art, and Lion's Club awards

Career Skills:

- Creative web design, coding, and training. Rich Internet Applications (RIA)
- Developing creative software solutions; software testing and debugging
- Graphical user-friendly and intuitive interface design & implementation
- Computer graphics, multimedia
- Rapid-Prototyping / Concept Visualization
- Database design and implementation; Database maintenance software
- Object-Oriented, Expert Systems, and AI programming and design
- Workflow analysis; Requirements, software, and concept analysis
- Procedure, concept, and requirements documentation; Desktop Publishing

General Skills:

- Adaptive, flexible, self motivated, quick to learn, open-minded, problem-solver.
- Energetic, persistent, positive and inquisitive
- Creative and curious - seek different, imaginative, and better ways of doing things
- Problem-solving, organizing skills. Group and event planning and management
- Easy to get along with others, helpful

Computer Experience (* - current):

- Applications: Cold Fusion*, Dreamweaver*, CommonSpot*, Front Page*, GoLive, SAP, Photoshop*, Image Ready*, Photo Animator*, Illustrator*, FreeHand, Toast*, Sharepoint, QuarkXPress, PageMaker, MS Word*, MS Excel*, WingZ, FileMaker Pro*, MS Access*, Distiller*, FrameMaker, Netscape*, Internet Explorer*, Premier*, NeXT development applications (eg. Object Builder, Object Modeler), and many others.
- Languages: HTML*, DHTML*, XML*, JavaScript*, Cold Fusion*, PHP*, ASP*, Flash*, Perl*, Java, SQL*, Objective-C* (NeXT, Apple), C, Lisp, C++, Basic, Visual Basic*, FileMaker Pro script*, Ada, SAP, Pascal, Fortran, UISL(neural net), WingZ Hyperscript, ART, COBOL, PL/C, X-Windows, Motif, APL, SAS, WANG, others.
- Databases: Oracle*, Sybase, MS Access*, Informix, FileMakerPro*, Approach, SQL Server*, MySQL*, custom*
- Operating systems: Windows(XP, MX, 2000, 9x, 0x, NT)*, OPENSTEP/NeXTSTEP, Mac OS*, Mach Unix, Genera (Symbolics), SUN OS, SCO Unix, DEC VMS, MS-DOS, Wang VS, IBM and WP.
- Hardware: IBM PC (and compatible)*, Apple Macintosh*, NeXT, Symbolics, SUN, DEC, neural network, Wang, IBM, printers, plotters, scanners, and various devices.

Professional Experience:

Booz Allen Hamilton, 2008 - present

Web master/developer for an NGA web site on a secure network. This web site development includes custom surveys and analysis, database interaction, program management, action request, student assessment, dashboards, user authentication, calendars, and collaboration features. I conceptualized and developed some custom content management, auto login, admin features, assessment and a custom database management tools. Also assist integrating web-based online training courses. (*Cold Fusion, PHP, Perl, Javascript, Flash, MS Access, SQL Server, Oracle and MySQL database and Dynamic HTML, HTML5, CSS, custom graphics*)

Booz Allen Hamilton, 2006 - present

Sole web master/developer for ODNI's IC Legal Conference web site on a secure network. This web site features conference information, biographies, online registration, user authentication with roles, and admin features that allow select individuals to access custom Content Management features to maintain and retrieve course and registrant information dynamically on the web. Received a Team Appreciation Award for creating this web site. *(PHP, Javascript, MySQL database and Dynamic HTML, graphics)*

Booz Allen Hamilton, 2004 - present

Sole designer and software/web developer for the Defense Telecommunications Services – Washington (DTS-W) public website using PaperThin's CommonSpot COTS package and custom Cold Fusion/database code. I am still called back on occasion to help maintain or enhance this site. This had lead to follow-on projects such as ITA Industry Day registration and reference web site. *(CommonSpot, ColdFusionMX, dynamic HTML, Javascript, SQL Server, graphics)*

Booz Allen Hamilton, 2009 - present

Web developer for the Defense VA Toolkit website. Called in to help for two separate projects. I developed a database for an xml-based calendar, with a web front-end to maintain events and create monthly xml calendar files. I also developed a database and web-interface for ISOs to record shipment of toolkits to managers assigned to them and others. *(ASP, dynamic HTML, Javascript, SQL Server, graphics)*

Booz Allen Hamilton, 2008

Assisted in the implementation of a dynamic web site that creates, conducts and reports on surveys. As the on-site developer, I helped transition the original Cold Fusion code to ASP, setup the database and get the survey running at the client site. *(ASP, Javascript, database, Dynamic HTML, graphics)*

Booz Allen Hamilton, 2007 - 2008

Web master for the high-paced on-site IMINT website on a secure network. Coordinated with web contributors, arranged and lead meetings and presentations, and coordinated closely with the client. While maintaining the often changing content, I developed and added dynamic features and databases to the website. *(ASP, RIA/AJAX, Javascript, databases, Dynamic HTML, graphics)*

Booz Allen Hamilton, 2006 - 2008

Web developer for a series of websites for a Human Resource government client. The websites maintain dynamic personnel, registration, voting and training information. I developed a unique online document presentation and content management system, as well as budget and survey tools showing graphic results. All work was done at the client site. *(ASP, Javascript, dynamic HTML, SQL Server database, graphics)*

Booz Allen Hamilton, 2006 - 2007

Web master/developer for Booz Allen's first highly-visible Sharepoint website on a secure network using Sharepoint and ColdFusion to advertise Booz Allen to others and allow employees, teams, projects and leaders to collaborate. Allows NRO MAT Leaders to track opportunities (TPRs). I created and presented brown bags and training on the web site's capabilities. I quickly learned Sharepoint software and techniques on my own, while developing the web site in a couple of weeks. *(iShare/Sharepoint, Javascript, dynamic HTML, graphics)*

Booz Allen Hamilton, 2006 - 2007

Sole web master/developer for ODNI's Center for Academic Excellence (CAE) website on a secure network. The web site features online registration, user authentication with roles, admin features, blogs, forums, and calendar. *(PHP, Javascript, MySQL database and Dynamic HTML, graphics)*

Booz Allen Hamilton, 2005 - 2006

Webmaster, sole designer and software/web developer for a government web site. Completely redesigned it from a simple, static, hard to maintain web site into a dynamic, interactive, informative web site with custom-built content-management features, allowing select users to easily update from their desks without having to understand the web. It also features custom-built collaboration within and among teams, and assigns user access and administrative rights by user permissions. Called back in 2006 to create a document archive web page. *(ColdFusionMX, dynamic HTML, Javascript, mySQL, graphics)*

Booz Allen Hamilton, 2003 - 2004

Sole designer and software/web developer for an automated telephone service website (ATSP) for the United States Secret Service. All work is done at the client site in a fast-paced development and operational environment. (*ColdFusionMX, dynamic HTML, Javascript, SQL Server, graphics*)

Booz Allen Hamilton, 2002 - 2003

Lead designer and developer for the Public Safety Wireless Interoperability National Strategy (PSWIN) website (www.publicsafetywins.gov). This site incorporates dynamic questionnaires and dynamic database-driven web pages and graphics. (*Cold Fusion, dynamic HTML, Javascript, SQL Server*)

Web designer for various smaller projects as needed – eg. National Institute for School Leadership (NISL) training website and CD, .Office of Cyber and Information Security (VA CSP) website. (*dynamic HTML, Javascript*)

Booz Allen Hamilton, 2000 - 2003

Lead designer and developer for the web-based Airborne ISR Requirements Based Allocation Tool (AIRBAT) for creating and tracking airborne requirements involving complex business rules. (*Cold Fusion, dynamic HTML, Javascript, MS Access, SQL Server*)

Booz Allen Hamilton, 1999 - 2000

Lead web developer and trainer for JIATFE's directorate pages in Key West, FL (*HTML, Javascript*)

Lead and sole web developer for HRMG's MIAT Management Control Plan (*FileMaker, HTML, Javascript*)

Lead web developer for HRMG's Employee Directory (*SAP, HTML, Javascript*)

Booz Allen Hamilton, 1995 - 1999

Lead and sole software engineer and developer for maintaining *ORACLE* database *NeXTSTEP* applications.

Converting one of these applications from *NeXTSTEP Objective-C* into *Cold Fusion, HTML, & JavaScript* web-based database application.

Lead software engineer and developer for several *ORACLE* and *SYBASE* database-intensive, object-oriented human resource software applications built for *NeXTSTEP* and *OPENSTEP*. Converted applications from *NeXTSTEP* to *OPENSTEP*.

Provide software maintenance and customer interaction to ensure that applications are enhanced to meet changing customer needs.

Provide general user support and presentations to the client organization as needed.

Created software tools to query databases and save or present this data in user-friendly ways. Developed software to create database dictionaries and graphical schemas.

Created general software and computer graphics as needed (code, diagrams, intelligent spreadsheets, automated forms, etc.)

Martin Marietta, 1993 - 1995

Lead developer for an enhanced version of the contracting, accounting application below, using *Objective-C, NeXTSTEP, SQL*, and a *SYBASE* database.

Designed, coded, maintained, and presented an important contract management, budget accounting graphical application using *WINGZ, INFORMIX, SQL, and Hyperscript*.

General Electric Co., 1981 - 1993

Designed and coded a hypertext/document management system, and platform-independent TIFF and other color graphics routines. (*C, X-WINDOWS*)

Translator of General Electric's *RumRunner* software from LISP to ADA.

Image compression study using neural networks. Wrote PC graphics routines. (*C, UISL*)

Developed, tested, documented, and demonstrated:

- Interactive graphical *Satellite Analysis Toolkit* -. (*LISP, FORTRAN*)
- *Automated Knowledge Generator* - object-oriented, text parsing. (*LISP*)
- *Risk Analysis Program* (RAP) - interactive project management tool. (*LISP*)
- Real-time rule-based graphical *satellite command & control system* (*LISP, ART*)

Wrote, tested, and maintained *Automated Record Management System* (*COBOL*)

Wrote programs to cross-reference, debug, and document software (*LISP, COBOL*)

General Experience:

- Examples of my web work are on my home page: www.grun1.com, under "Portfolio".
- Created and maintained a customer, inventory and sales database for Mystique Jewelers.

- Started and maintain web sites for various people and businesses.
- Enhancing and maintaining United States Athletics Association's (USCAA's) database and dynamic web site using SQL Server and MySQL databases, Cold Fusion and Javascript: www.uscaa.org
- Created and maintain Booz Allen Hamilton's corporate track & field web site, including custom-made javascript utilities and graphics.
- Organize and lead many local and national corporate running teams to promote corporate fitness and benefit charity. Won the 1998 USCAA Corporate Nationals.
- Communications Chairman, Hall-of-Fame, board member and former Vice President of the United States Athletics Association (USCAA). Play major roles in organizing Regional and National Championships since 1996, competed since 1985. I have organized and lead corporate teams since 1990. Design their FitNews newsletters, event programs and other printed and web material. Maintain their web site
- Organized other groups for charitable events while at Booz Allen Hamilton, including Christmas-In-April and the American Cancer Society's Relay For Life.