Andrew Bruce

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Andrew Bruce, SECRET Clearance

At-a-Glance

As a passionate believer in the power of technology to help our Nation and economy grow, I want to use a cloud-first acquisition model to help customers streamline operations, improve operational efficiencies, and delight the customer.

SECRET Clearance

MSIA, Norwich University: *summa cum laude*
CISSP: Certificate #363748
PMP: Certificate #1380110
FITSP-D: Certificate #00182
ITIL v3 Foundations: Certificate #00008172
MCP (Windows Server 2008, License E064-5905)
VCP5 - Datacenter – License #146949
NCDA - License #258951674

Experience

Sep 2013-Present   D&SCI   Eatontown, NJ
Cloud Architect

- Work with senior leadership to refine and guide corporate IT strategy especially regarding the "Big 5" White House initiatives: Cloud, Security, Mobility, Big Data, and Datacenter Consolidation. Additionally, assist with Request for Proposal (RFP) responses from a content provider, reviewer, and solutions architect role.

- Delight D&SCI customers with new and improved business solutions for agency problems.

- Build corporate IP by integrating secured and hardened systems with new technology initiatives such as Google BigQuery. Provide architecture and subject matter expertise in cloud computing, big data and other new initiatives for the company and customers.

Jun 2011-Sep 2013   Computer Sciences Corporation   Falls Church, VA
Lead Executive Scientist

- Key implementation architect and leader for the Army's Cloud (*https://cloud.army.mil/CloudCenter/Login.aspx*). Work extensively with industry cloud vendors to setup of proofs-of-concept, customer pilots, and Army legacy system cloud migration. Vendors include: CA/AppLogic / VMware vCloud cloud infrastructure; F5 BigIP for Domain Name Service (DNS) and advanced cloud routing to minimize outage times; NetApp / HP for backend storage; Hitachi Data Systems (HDS) to integrate "Army Green" next-generation blade technology; and DataCore SANsymphony-V for storage virtualization.

- Lead teams building the Army Cloud support infrastructure at Aberdeen Proving Ground (APG) and Fort Belvoir. Design and lead implementation of VLANs,

switches, routers, storage networks, and all OS-level software stacks (Windows Active Directory, RHEL, HP/Fortify, and numerous others). Manage and create all system and network documentation to meet DoD and Army Information Assurance requirements (DIACAP / DoD 8500.2 / AR25-2).

- System analysis, database analysis and reverse engineering, technical support, and cloud-migration recommendations to the Army's Enterprise Management Decision Support (EMDS) system in support of Army Force Generation (ARFORGEN). This SIPRnet system works with classified data to ensure that the Army's readiness posture fully supports the nation's demands.

- Assist Enterprise Solutions Competency Center (ESCC) and Enterprise Solutions Directorate (ESD) staff to provide mentoring and technical support in a variety of technologies: architecture (cloud solutions for new opportunities); software development (Java, C++, and C#); systems administration (Linux, Windows, shell script); hardware support (router and switch management); virtualization (machine provisioning); data management (Oracle, SQL Server, and MySQL).

- Provide strong integration leadership in multi-contractor projects to ensure that the Army customer's mission is always *first priority* and that each contractor delivers on its strengths to enable the best possible technical solution for the government.

2009-Present   RiVidium Corporation   Manassas, VA
Chief Technology Officer

- Direct technical development and strategy for all RiVidium projects.

- Lead development efforts in support of Army Enterprise Architecture for Chief Information Officer / G-6. Member of Army Enterprise Service-Oriented Architecture Foundation.

- Lead COTS and custom software integration efforts between SharePoint Webpart development and Windows Communication Foundation (WCF) Web services enabled with Net-Centric Enterprise Services (NCES)-enabled policy decision points (PDPs).

- Expert SharePoint 2007 deployment / configuration and software development via ASP.NET Webparts and integration with third-party toolkits. Strong on SharePoint internals, authentication capabilities, and code access security.

2006-2009   CSC Corporation   Falls Church, VA
Engineer Principle

- Original project lead for the Enterprise Solutions Competency Center (ESCC) at Fort Belvoir. Defined initial mission tasks, built physical infrastructure, worked with government POCs for information assurance (IA) compliance and accreditation. Interfaced with industry partners (Cassatt Corporation, Intel, Microsoft, Oracle, and many others) to define use cases and create proofs-of-concept for presentation to senior Army decision makers (CIO / Army, CIO / DoD, and others). Stood up initial hardware stack for the Army Enterprise Service-oriented Architecture Foundation first housed within the ESCC. Worked closely with the Foundation to ensure that required collaboration Web sites (including https://soa.army.mil) were operational and integrated with Army Knowledge Online (AKO) single sign-on.

- Developed first implementation of AKO Single-Sign On support with SharePoint 2007 (C++ ISAPI Filter and ISA 2006 Filter). Won an Army award for this product suite ("Enterprise Solutions Competency Center AKO SSO Product Suite").

2002-2006   Alexandria, VA
Independent Software Consultant

- Tooyen (http://tooyen.com). This online social application targeted Amazon sellers by allowing them to reprice their listings automatically (2003-2006).
- CITIdc (Community IT Innovators, http://citidc.com). Provide SQL Server, ASP.NET and DHTML design and development services (2005-2006).
- ePartners Corp: Principal infrastructure architect and project leader for the Public Housing Authority Management System (PHAMS, 2002-2005).
- Veritas Corporation: Provide Oracle DBA and PL/SQL development (2003).
- Appfluent Technology: Development for cross-platform (Linux / Solaris / NT) Oracle Call Interface (OCI) driver replacement in C++ (2002).

2001-2002   Appfluent Technology   Arlington, VA
Director, Quality Assurance/Configuration Management

- Led Quality Assurance and Configuration Management team.
- Implemented tight integration and accountability between the QA and the Engineering teams by building custom correlation tools between software defects and version control activity.

1998-2001   Softworks (EMC Corporation)   Hopkinton, MA
Software Team Lead

- Managed standard EMC Agent SDK. Platforms for this module included Open Systems (C++, numerous operating systems), Microsoft Windows/NT, Java (numerous platforms), and MVS (SAS/C and Assembler language).

1986-1998   Alexandria, VA
Savant Corporation and Independent Software Consultant

- 1998-1999: Implemented custom database analysis engine for Sybase Corp. as a subcontractor with Savant Corp. of Bethesda, MD (C++, Java, CORBA).
- 1997-1998: Managed development of eight courses (four Internet-based and four paper-based) for McGrawHill/NRI (see Publications).
- 1996-1997: Led development of Savant Corp.'s "Q Diagnostic Viewer." This tremendously successful product made the "What's Hot" list for 1997 in InfoWorld (C++).
- 1993-1996: Built proprietary database and customized query extraction language, as well as extensive common frameworks development, for Landmark System's PerformanceWorks suite of products (C++, Perl, Shell).
- 1988-1992: Contract programmer for the USPS (Turbo Pascal, C++).
- 1986-1988: Trust Accounting software (Microsoft QuickBASIC/Assembler).

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Selected Technical Skills Summary

Skill	Last Used
Cloud Technologies	
VMware vCloud (including vSphere 5.1 for virtualization)	\<current\>
CA/AppLogic (Cloud management)	\<current\>
F5 BIG-IP (Load Balancing)	\<current\>
DataCore SANsymphony-V (storage virtualization)	\<current\>
Switches / Firewalls / Blades / Storage	
Cisco ASA5520 (firewall)	\<current\>
Cisco 3560G (switch with IOS)	\<current\>
Hitachi CB2000 Blade Chassis (IOS-compatible switch)	\<current\>
NetGear GS748TS (simple programmable switch)	\<current\>
NETAPP FAS3020 / FAS2240 / FAS3240 (storage)	\<current\>
HP MSA1500 (storage)	\<current\>
Business Application Suites	
MOSS 2007 – 2010	2012
webMethods 8.0 (Integration Server and Broker)	2010
SAP WebDynpro (Java, not ABAP)	2009
Languages/Technologies	
Model / View / Controller (MVC)	\<current\>
C# / ASP.NET 2.0 and 3.5 including Silverlight 3	\<current\>
C++ (including STL)	\<current\>
Perl	\<current\>
Python / PHP	\<current\>
JavaScript / DHTML	\<current\>
UNIX Shell Script	\<current\>
GNU make / AutoConf / AutoMake	2010
CVS / ClearCase / Team Foundation Server	\<current\>
Lint / Purify / Insure	2010
Java / Java Beans/RMI	\<current\>
Tcl/TK	2002
Operating Systems	
Windows (all)	\<current\>
Active Directory (management, setup, administration)	\<current\>
AIX	2004
Linux	\<current\>
Solaris	2003
HP/UX	2007
Databases/SQL	
SQL Server 2000/2005/2008	\<current\>
T/SQL and Db/Lib	\<current\>
Extended Stored Procedure development (C++)	2007
Oracle (including PL/SQL)	2004
Pro*C/OCI	2003
Sybase	2000
PostgreSQL (OO functions, advanced scripting)	\<current\>

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Education

2010-2011   Norwich University   Northfield, VT

M.S., Information Assurance

- Upsilon Pi Epsilon Honor Society; *summa cum laude*
- Specializing in Federal Information Systems Security

1991-1993   Strayer University   Washington, DC

B.S., Computer Information Systems

- Honor Society; *summa cum laude*

1985-1988   State Technical Institute   Memphis, TN

A.S., Management Information Systems

- Honor Society: *cum laude*