

Eugene A. Beardslee

Curriculum Vitae

Personal Data

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Professional History

July 2016 Present	Peru State College	Chief Information Officer
March 2009 June 2016	Peru State College	Director of Computer Services
June 2000 February 2009	Science Applications International Corporation, Industrial Prime Vendor	Senior Information Technology Manager Oracle 9i DBA System Architect
October 1999 June 2000	Science Applications International Corporation, U.S. Marshal Service, Air Operations	Senior Systems Analyst
December 1994 October 1999	Science Applications International Corporation, Tinker AFB Fire Department	Program Manager Computer Systems Analyst Oracle7 DBA
August 1993 December 1994	Science Applications International Corporation, Battle Management Division	Computer Systems Analyst Consultant
July 1992 August 1993	Science Applications International Corporation, Battle Management Division	Software Engineer

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Professional History (continued)

May 1991	U. S. Air Force	Chief, CTAPS Software Support Facility and Development Laboratory
July 1992		Oracle Software Developer
		Unix System Administrator
August 1990	U. S. Air Force	Deputy Chief, CTAPS Systems Administration
May 1991		Software Engineer
		Unix System Administrator
March 1989	U. S. Air Force	Software Engineer
August 1990		
January 1986	U. S. Air Force	Officer Trainee
March 1989	Airmen Education and Commissioning Program	
August 1983	U. S. Air Force	Computer Programmer
December 1985		

Education

Data Processing and Computer Programming	A.A.S.	Northeast Technical Community College	1981
Computer Science	B.S.	New Mexico State University	1988
Computer Resources and Information Management	M.A.	Webster University	1997
Industrial Engineering	Ph.D.	University of Oklahoma	2007

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Professional Training

SAIC Class Title	Date Taken
SYSTEMS ENGINEERING	12/10/2002
PROJECT MANAGEMENT II - PM2 (PM II)	10/16/2002
PROJECT MANAGEMENT I SELF STUDY (PM1 SELF STUDY)	1/1/2002
INTRO TO THE SEI'S CMM FOR SOFTWARE (V2)	11/21/2000
COMMON APPROACH ORIENTATION V3.0	11/20/2000
DSC NEW PERSONNEL SOFTWARE PROCESS IMPROVEMENT	11/20/2000
ONLY A SIGNED CONTRACT COUNTS	6/15/1999
COMMON APPROACH ORIENTATION	5/7/1993
SOFTWARE ENGINEERING PRINCIPLES (CMMI)	7/24/1992

e-Learning Training (CBT) (With Passing Scores of 70% or better)

Oracle8i Database Administration: Managing Users and Profiles	3/21/2003
Oracle8i Database Administration: Data Integrity and Loading Techniques	3/18/2003
Oracle8i Database Administration: Privileges and Roles	3/13/2003
Oracle8i Database Administration: Creating Tables and Indexes	2/4/2003
Oracle8i Database Administration: Managing Storage	11/22/2002
Oracle8i Database Administration: Rollback Segments and NLS	11/21/2002
Oracle8i Database Administration: Exploring the Database Structure	8/22/2002
Oracle8i Database Administration: Creating a Database	8/21/2002
Oracle8i Database Administration: Architecture and Administrative Tools	8/15/2002
Java 2: Language Basics	8/13/2002

Research Interests

Supply Chain Optimization
Data Mining
Customer Demand Forecasting
Software Engineering Project Complexity Estimation
Distributed Database Design and Management

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Professional Affiliations

IEEE Computer Society
Association of Computing Machinery
Alpha Pi Mu

Awards

SAIC, Achievement Award for Excellence in Program Performance: Technology Development and Analysis	2003
2 nd Honor Graduate, Officer Training School	1988
OTS Kiefer Award for Esprit de Corps (a peer voted award)	1988

Teaching and Instruction Program Development

Created and presented a two-week introductory course for computer programmers to introduce the basic features of the C programming language.

Created and presented a two-week course for computer programmers which introduced techniques for building user interfaces using OSF/Motif and X-Windows.

Contributed to the development of a Unix System Administrator course for U.S. Air Force command and control planning systems. Presented the one-week course, with lab exercises.

Adjunct Instructor at St. Gregory's University, Shawnee, OK teaching Advanced Computer Applications (CS1823)

Hobbies and Volunteer Work

Playing the piano, the guitar and singing are my favorite free time activities. I also enjoy reading stories, aloud, to my wife and children. I enjoy puzzles, mazes, and model building.

Volunteered as a youth minister for the Life Teen program at St. Philip Neri Catholic Church in Midwest City, OK. I was also the Youth Mass music coordinator and cantor. I served in this position and led liturgical music at Sunday Mass for six years.

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Professional Experience Summary

March 2009 – Present, Peru State College

Chief Information Officer, June 2016 – Present

Director of Computer Services, March 2009 – June 2016

June 2000 – February 2009, Science Applications International Corporation

Senior Information Technology Manager, Industrial Prime Vendor, SCOPTIMA™

Supply Chain Software System Architect, Oracle9i Database Administrator

- Led three consecutive research and development efforts which significantly enhanced the market value and application strength of the enterprise software.
- Worked with Dave Goldsman and Georgia Tech to develop an inventory policy increasing the cost and service performance of the Air Force bench stock inventory. Implemented a power approximation algorithm based on the work by Ehrhardt to calculate inventory reorder points and order quantities.
- Researched several data mining methods for analysis of inventory transactions for the purpose of forecasting material outages.
- Oracle database administrator and software system architect for the Supply Chain Management, Optimization, and Analysis Services (SCOPTIMA) software system.
- Responsible for the design, development, implementation and maintenance of the software business processes within the Industrial Prime Vendor (IPV) contract supported by SCOPTIMA.
- Perform analysis of the business data systems, the enterprise information structure, and the requirements of the IPV project to enhance, repair, and restructure the software system, thus providing a more efficient and effective business tool.
- Designed and developed a Data Warehouse tailored to support the use of the Replenishment Strategy Power Approximation formula and Naïve Bayesian Analysis of part ordering patterns.
- Implemented configuration management structure, using PVCS, which enables consistent and repeatable software development and implementation practices.
- Manage and motivate the software development team.
- Provide operational support to the order placement, order tracking, receiving, accounting, and metric gathering functions that COSCM implements in support of IPV.

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October 1999 – June 2000, Science Applications International Corporation

Senior Systems Analyst, U.S. Marshal Service, Air Operations

- Managed contract details, assessed customer requirements, and provided administrative oversight as the USMS site lead for all tasks under the USMS contract.
- Analyzed electronic cost data sources for integration into an interim cost accounting database.
- Developed software using 'C' to capture cost data for input into this interim cost accounting database.
- Designed and developed a series of queries and reports using Microsoft Access enabling the USMS Justice Prisoner and Alien Transportation Service (JPATS) operation to re-evaluate and restructure their passenger transfer pricing schedule using verifiable and defensible accounting information.
- Designed and developed a cost accounting system for the USMSJPATS operation providing "cost-per-seat-mile" analysis.

December 1994 - October 1999, Science Applications International Corporation

Computer Systems Analyst/Software Engineer, Tinker AFB Fire Department

- Project Manager responsible for customer satisfaction and achieving project goals within budget and on schedule.
- Using Oracle Developer/2000 Forms and Reports, designed and developed business process indicator (BPI) modules enabling the Fire Department to track key productivity indicators.
- Converted ACES-FD software from the Gupta SQLWindows development platform to Oracle Developer/2000.
- Analyzed the existing emergency dispatch system, recommending software design improvements and deficiency corrections.
- Designed, developed and implemented major portions this software system bringing it into full operational use within 6 months.
- Training the firefighters working in all fire department divisions to use the software tools available within the emergency dispatch package, Microsoft Windows 3.1 and Microsoft Office.
- Providing Oracle7 database administration and design services.

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August 1993 - December 1994, Science Applications International Corporation

Computer Systems Analyst Consultant, Battle Management Division

- Provided technical consultation to the engineering staff working on Contingency Theater Air Control System Automated Planning System (CTAPS).
- Demonstrated the use of key applications of the CTAPS and World Wide Command and Control System (WCCS) at the AFCEA conventions in Hawaii and San Diego.
- Trained SAIC employees on the software installation, system set-up and application use of the Automated Planning System within the CTAPS software architecture.
- Developed system training materials for CTAPS system administration and provided the classroom instruction.

July 1992 - August 1993, Science Applications International Corporation

Software Engineer, Battle Management Division

- Presented technical software architecture design briefings, supporting the marketing of key CTAPS features, to potential customers within the Department of Defense including the USAF SAB.
- Supplied critical, solution guidance through hands-on software development, maintenance, and testing support to all project teams -- graphical user interface team, database team, system administration team, and training team.
- Managed an Ada software development team.
- Designed, developed, implemented and tested a system-to-system communication interface based on automatically parsed USMTF messages destined for direct ORACLE database update.

May 1991 - July 1992, USAF, Langley AFB

Chief, CTAPS SSF Laboratory and System Administration

- Led a team of four system administrators and two software engineers to provide hardware, operating system, and system application service to a software support division of over 60 personnel.
- Directed the installation, preparation, and networking of 40 Sun Microsystems workstations.

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August 1990 - April 1991, USAF, Langley AFB

Deputy Chief, CTAPS Systems Administration

- Coordinated all CTAPS SSF equipment repair.
- Managed 30 software development user accounts.
- Installed networking hardware and established LAN access for 35 workstations and 13 minicomputers.
- Developed and taught UNIX and C programming courses.
- Implemented a software design establishing a reliable network protocol library.
- Provided a critical serial-line UNIX-to-UNIX networking capability solving a three-year-standing system flaw.

March 1989 - August 1990, USAF, Langley AFB

Software Engineer

- Maintained and enhanced an interactive graphic mapping application.
- Ported over 60,000 lines of software written in C containing ORACLE Pro*C, GKS and X interfaces from a CISC- to a RISC-based machine.
- Upgraded associated ORACLE SQL*Forms from version 2.0 to 2.3.

January 1986 - March 1989, USAF, AECF

Officer Trainee

- Graduated Second Honor Graduate from OTS.
- Awarded the OTS Kiefer Award for Esprit-de-Corps (a peer elected award)

August 1983 - December 1985, USAF, Offutt AFB

Computer Programmer

- Prepared, tested, and documented computer routines and programs written in COBOL.
- Used TSO/ISPF and IDMS within the IBM software development environment.

Refereed Papers

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Selected Conference Papers and Significant Presentations

Beardslee, E.A. and Trafalis, T.B., "Applied Data Mining and Simulation Optimization for Repair Service Inventory Management Decision Support" presentation for the Kick-off meeting of the ERCIM WG on Computational and Methodological Statistics, Geneva, Switzerland, 20-22 April, 2007.

Beardslee, E.A. and Trafalis, T.B., "Discovering Service Inventory Demand Patterns from Archetypal Demand Training Data" presentation for the 2006 INFORMS Annual Meeting, Artificial Intelligence and Data Mining Workshop, Pittsburgh, PA, November 4, 2006.

Beardslee, E.A., "The Management of Logistics in Large Scale Inventory Systems to Support Weapon System Maintenance" presented at the 8th Annual Systems Engineering Conference sponsored by the National Defense Industrial Association (NDIA), Systems Engineering Division, San Diego, CA, October 24-27, 2005

Beardslee, E.A. and Trafalis, T.B., "Data mining methods in a metrics-deprived inventory transactions environment", in *Data Mining VI: Data Mining, Text Mining and their Business Applications*, edited by A. Zanasi, C.A. Brebbia and N.F.F. Ebecken, pp. 513-522, 2005 (WITPress, Southhampton) . Presented at the Sixth International Conference on Data Mining, Text Mining and their Business Applications, Skiathos, Greece, 25 - 27 May 2005.

Beardslee, E.A., "Assessing Information System Development Project Complexity", presented to the Integrated Logistics Toolset design team in Midwest City, OK, February 25, 2005 (not published)

Papers: Work in Process

Beardslee, E.A. and Trafalis, T.B., "Discovering Service Inventory Demand Patterns from Archetypal Demand Training Data", planned for submission to Special Issue in the *Annals of Operations Research*.

Beardslee, E.A. and Trafalis, T.B., "Inventory Transaction Feature Selection for Proactive Stock-out Management", planned for submission to the *Journal of Business Logistics*.