

**STEVEN T. JONES**  
Kokomo, Indiana

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**PROFILE**

Seasoned, creative IS professional with more than 30 years of experience applying current IS technologies to meeting business information needs. Technical leader, developer, consultant, university faculty, public speaker, presenter, and published author of technical articles and papers. Expertise in content and document management, imaging, and workflow; user experience design and development; web and client/server applications; object-oriented design and development.

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**SYNOPSIS OF INFORMATION SYSTEMS EXPERIENCE**

**August, 2007 to Present: Visiting Assistant Professor (August, 2007 to May, 2007) , Adjunct Professor (August, 2007 to Present)** Purdue University School of Technology, West Lafayette and Kokomo, Indiana, Computer and Information Technology program. I have taught courses in Internet technologies (XHTML, CSS, JavaScript, ASP.NET, C#), database design and development (SQL, Oracle PL/SQL), systems design methods (UML 2.0), object-oriented programming (Java, JSP), C programming, and computer applications (MS Office).

**January, 2003 to August, 2007: Systems Analyst** Simon Property Group, Indianapolis, Indiana (commercial real estate, primarily shopping malls). I developed software (Java, JSP, SQL Server Transact-SQL) and led a team of developers for content/document management and workflow applications built on EMC Documentum, including a mission-critical workflow/repository application for managing the lease negotiation process. I originated the role of internal User Experience SME and developed interfaces (XHTML, CSS, JavaScript) for both browsers and Blackberry devices.

**November, 2001 to January, 2003: IS Contractor** Volt Technical Services/Eli Lilly and Company, Indianapolis, Indiana (Pharmaceuticals). I developed custom Documentum clients using Visual Basic and Oracle PL/SQL and carried out initial research to enable Lilly to enhance security for their Oracle-based commercial package for tracking clinical studies.

**October, 2000 to May, 2001: Senior Consultant** Digital Lighthouse Corporation, Englewood, Colorado. I was responsible for developing a Quality Assurance policy for content management solutions. In that role, I developed and executed test plans, worked with developers to locate and fix defects, and made recommendations to refine user interfaces.

**March to October, 2000: Systems Development Consultant,** Roche Diagnostics Corporation, Indianapolis, Indiana. I served as a Documentum SME and provided technical leadership for implementation of a corporate scan/capture solution and evaluation and selection of a records management solution.

**September, 1999 to March, 2000: Voluntary Personal Sabbatical** to expand technical skills. I acquired tools and developed several small- to medium-size applications using Visual Basic, Java, JavaScript, DHTML, ColdFusion, Linux, PHP, and MySQL.

**June, 1994 to September, 1999: Systems Engineer, Systems Engineering Supervisor, Information Specialist** Electronic Data Systems/Delphi-Delco Electronics, Kokomo, Indiana. I worked in the area of project management, supervised a team of 15 systems engineers for a year, assumed leadership of an application that supported global collaboration in failure analysis and corrective actions, and assumed technical leadership of Delphi-Delco's QS 9000 quality documentation system implemented in Documentum.

**1982 to 1994: Assistant Professor** (Indiana University Kokomo, 1987-1994) and **Instructor** (East Central College, Union, Missouri, 1982-1987). I taught a full range of courses at both upper and lower levels, including logic and program design, programming in Assembly, Cobol, Pascal, and Basic, database and data management, and systems analysis and design. I introduced object-oriented programming into the IUK curriculum in 1991.

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## DETAILS OF IS EXPERIENCE

**Visiting Assistant Professor (two year appointment);** Purdue University School of Technology, West Lafayette and Kokomo, Indiana; Computer and Information Technology program; August, 2007 to May, 2009. I taught the following courses:

- CNIT 105 *Introduction to C Programming*
- CNIT 136 *Personal Computing Technology and Applications* (MS Word, Excel, PowerPoint, Access)
- CNIT 141 *Internet Foundations and Technology* (XHTML, CSS, JavaScript)
- CNIT 180 *Intro to Systems Development*
- CNIT 255 *Programming for the Internet* (JavaScript, ASP.NET, C#)
- CNIT 272 *Database Fundamentals* (SQL)
- CNIT 280 *Systems Analysis and Design Methods* (UML 2.0)
- CNIT 295 *Object-Oriented Programming* (Java, JSP)
- CNIT 372 *Database Programming I* (SQL, Oracle PL/SQL)

Consulting activities. I worked with a lean manufacturing consultant to develop an application (Access and SQL Server) for implementing a complete system for planning and executing lean methods and schedules. I have designed and developed web sites and blogs for myself and other clients.

**Systems Analyst;** Simon Property Group; Indianapolis, Indiana; January, 2003 to August, 2007. SPG is a commercial Real Estate Investment Trust that owns 300 properties, primarily shopping malls. I had overall responsibility for content/document management and imaging applications built on EMC Documentum (Windows and SQL Server) and created the role of internal User Experience designer and developer.

Online lease negotiation application. This application reduced the time to complete negotiations by two weeks, eliminated problems with storing and retrieving paper leases, and made lease information available throughout the enterprise.

- I initially functioned as Documentum Subject Matter Expert (SME) for initial development of lease negotiation workflows and lease repository management, creating four of five workflows and overseeing user acceptance testing
- I assumed the technical leadership role for the lease negotiation application,
  - designing and implementing enhancements that reduced business workflow administrative time by 20%
  - finding and eliminating a long-standing database blocking problem, reducing the time required for end-users to perform routine workflow tasks from 3-5 minutes to less than 15 seconds
  - providing technical support for 3,000 active workflows and modifying them as requested by the business
  - designing and leading development of several functional enhancements
  - leading a major upgrade to Documentum v. 5.3

Invoice imaging application. This application stored 5,000 invoice images a month, provided for online quality control of images, integrated payment data from the AS400-based JD Edwards corporate accounting system, and made invoice data and images available across the enterprise. I designed the application architecture and user interface, wrote the software to integrate JD Edwards accounting data (AS400/DB2) with image meta-data, and designed an interface that allowed users of JD Edwards on to view images from within that application. This application enabled the following savings:

- Eliminated one full-time clerical position
- Produced time savings (finding and returning paper invoices) equivalent to another .25 FTE
- Reduced on-site paper storage requirements by 20% when moving to a new office building

Online personnel directory. This application replaced an out-of-date paper based system with an internal web-based application that made accurate personnel and organizational information readily available across the enterprise. I designed and implemented the user interface for both browsers and Blackberry devices.

**IS Contractor;** Volt Technical Services/Eli Lilly and Company (pharmaceuticals); Indianapolis, Indiana; November, 2001 to January, 2003. I used my experience as a Documentum SME and software developer to write two custom Documentum clients. These applications (1) enabled Lilly to retire an obsolete tracking system for drug compounds and (2) created an infrastructure that allowed them to move legal documents from Lotus Notes to Documentum, making them accessible to more employees and reducing paperwork. Using Oracle tools, I also investigated security implementation in their Oracle-based commercial clinical studies tracking system and documented application, administrator, and end-user security information.

**Senior Consultant;** Digital Lighthouse Corporation; Englewood, Colorado; October, 2000 to May, 2001. I joined Digital Lighthouse as a Solutions Architect; however, it became my responsibility to define a Quality Assurance policy for content management solutions. In this role, I developed and oversaw execution of QA plans for several projects built on Documentum. This work enhanced the reliability and usability of the company's solutions through systematic discovery of defects, consulting with developers on fixes, and refining user interface structures and elements.

**Systems Development Consultant;** Roche Diagnostics Corporation; Indianapolis, Indiana; March to October, 2000:. I served as a Documentum SME and provided technical leadership on two business-critical projects: implementation of a corporate scan/capture solution and evaluation and selection of a records management solution. Completion of these projects was projected to enable the company to manage or eliminate 20,000 boxes of paper records, better ensure compliance with FDA regulations, and provide management access to more information much faster.

**Infrastructure:** UNIX, Windows desktop, Oracle.

**Voluntary Personal Sabbatical;** September, 1999 to March, 2000. I accepted a voluntary buyout and left EDS (below) to devote full time to expanding my technical skills. I acquired hardware and software and developed several small-to medium-size applications using Visual Basic, Java, JavaScript, HTML, ColdFusion, Linux, PHP, and MySQL.

**Systems Engineer, Systems Engineering Supervisor, Information Specialist;** Electronic Data Systems/Delphi-Delco Electronics, Kokomo, Indiana; June, 1994 to September, 1999. I was promoted to Supervisor of my work group after working on a project management application for a year. I managed a team of 15 systems engineers working in manufacturing engineering and returned to a technical role a year later.

Project management. I wrote user interface software for an existing application that integrated project plans across multiple PM tools. I also investigated and recommended a standard PM tool for use by all business units. This work enabled Delphi-Delco to cross line-of-business barriers for enterprise-wide requirements planning

Quality improvement. I assumed the application architect, integrator, and team leadership roles on a five-person team that developed a \$1.5 million application in Lotus Notes to support global collaboration in failure analysis and corrective actions for all products returned to Delphi-Delco. In its second year, this application reduced Delphi-Delco's time to respond to its worldwide customers by 80%.

QS (ISO) 9000. I provided technical leadership for the maintenance and enhancement of Delphi-Delco's QS 9000 quality documentation system implemented in Documentum, helping Delphi-Delco to maintain its QS 9000 certification. I also provided hardware and software evaluations and recommendations.

**Assistant Professor;** Indiana University Kokomo (September, 1987 to June, 1994); **Instructor;** East Central College, Union, Missouri (September, 1982 to June, 1987). I taught a full range of courses at both upper and lower levels in Computer Information Systems and Computer Science, including logic and program design, programming in Assembly, Cobol, Pascal, and Basic, database and data management, and systems analysis and design. At IU Kokomo, I also taught a senior capstone course that included at various times expert systems development, ethical issues in information systems, and object-oriented programming which I introduced into the IU Kokomo curriculum in 1991.

Consulting activities. During this twelve-year period, I consulted with the Illinois Departments of Rehabilitation Services and Public Aid, Six Flags over Mid-America theme park, a municipal fire and ambulance dispatching agency, and numerous small businesses. Projects included development of an expert system for evaluation of computer equipment requests, technical evaluation of a state-operated library and resource center, RFP preparation and bid evaluation, evaluation and creation of policies and procedure manuals, and custom software development. On projects for local businesses, I often employed and supervised students, giving them practical experience while providing clients with cost-effective solutions.

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## IS EXPERIENCE PRIOR TO 1982

More than five years of additional experience as a **Programmer Trainee**, **Programmer**, and **Systems Analyst** for various departments of the State of Illinois. Skills included COBOL, IBM/360 assembly language, and structured design and development.

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## OTHER WORK EXPERIENCE

Advertising **Copywriter** (1 year), **Commercial Artist** (layout and graphic design; 2 years), **Musician** (guitar and bass; 1 year), **Stage Carpenter** (both amateur and professional theaters), and **Construction**.

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## EDUCATION

**MA**, June, 1977, University of Illinois at Springfield, Political Studies major, I was admitted to graduate studies without a baccalaureate degree based on a rigorous process of subject-area testing, a written petition to the graduate school, and a personal interview with graduate school faculty.

**Attended** Transylvania College, Lexington, Kentucky.

**Additional study** at IBM Systems Science Institute, Chicago, IBM Advanced Education Center, Arlington, Virginia, and numerous industry classes.

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## GRANTS AND AWARDS

**Letter of Commendation** from Delphi-Delco Electronics CIO in 1998 for implementation of collaborative problem resolution application.

**Pioneer Award** presented by Delphi-Delco Electronics in 1997 for IS support of business process re-engineering.

**Summer Faculty Fellowship** awarded by Indiana University Kokomo in 1990 to support work on FLOGO, a visual programming language for novice programmers.

**Certificate in Data Processing** awarded by the Institute for Certification of Computer Professionals, 1988.

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## PUBLICATIONS AND CONFERENCE PRESENTATIONS

### Collaborative work

- *Demonstration* of Delco Electronics' collaborative problem resolution application system presented at the international Computer Supported Cooperative Work conference, Seattle, Washington, 1998.

### Hypertext

- *Do-it-yourself hypertext: techniques and a Pascal implementation*; paper presented at the 1989 Academic Computing Conference, Indianapolis, Indiana, 1989. Published in the conference Proceedings.
- *Invited presentation of PC-hypertext and demonstration* given at the First Hypermedia Conference, Ball State University, Muncie, Indiana, 1989.
- *PC-hypertext*; software for creating and displaying hypertext documents, placed in the public domain in 1989. Documented uses included electronic re-publishing of print articles and production of an on-line library guide at George Mason University.

### **FLOGO (a visual programming language for novices)**

- *FLOGO*; software. An early implementation of the user interface, interpreter, and run-time for the language described in the above paper, placed in the public domain in 1992.
- *FLOGO: a novice-friendly programming environment*; paper presented at the 23rd Small College Computing Symposium, University of Wisconsin Eau Claire, 1989. Published in the conference Proceedings.

### **Other trade and client publications**

- *PC-advisor*; software, published internally by the Illinois Department of Rehabilitation Services, 1990. Expert system for evaluating requests for PC hardware and software.
- *Microcomputer policy manual*; published internally by the Illinois Department of Rehabilitation Services, 1989.
- Editor, *Practical analysis and programming* (quarterly, Pennsauken, New Jersey: Auerbach Publishers); 1985.
- "Programming from BASIC to turbocharged", *Profiles 3:3* (Solano Beach, California: Kaypro Corporation), October, 1985.
- "Application prototyping with a microcomputer", *Auerbach Information Management Series (AIMS)*, 1985.
- "Review of Nevada Cobol", *Profiles 2:4*, November 1984.
- "The role of the user group", *AIMS*, 1982.
- "Managing the conversion to distributed data entry", *AIMS*, 1981