

Robert S. Jenkins

SUMMARY OF EXPERIENCE

2004 – Present	Principal, Ferguson-Jenkins & Associates, Inc., Frankfort, Kentucky
1999 – 2004	Sr. GIS Analyst, Bluegrass GIS, Inc., Frankfort, Kentucky
1994 – 1999	Senior Systems Analyst, PlanGraphics, Inc., Frankfort, Kentucky.
1988 – 1994	Project Coordinator, Baymont Technologies, Inc., Clearwater, Florida.

DETAILS OF PROFESSIONAL EXPERIENCE

Principal

Ferguson-Jenkins & Associates, Inc., Frankfort, Kentucky

2004 - Present

Co-founded FJ&A in 2004. Responsibilities include: Corporate Administration, Business Development, all aspects of GIS consulting for clients including application development and database design specializing in ESRI's ArcGIS products.

U.S. Army Corps of Engineers, Nashville District (2005 - 2007):

Provide full-time on-site support to develop GIS technology within the District. Duties include ArcSDE and Microsoft SQL Server installation, configuration, and administration; geodatabase design; migrating GIS data from shapefile/personal geodatabase formats to ArcSDE/SQL Server; provide technical support; develop data standards; and review and QA A/E data GIS data submissions.

Nashville Electric Service (2004 - Present):

Performed custom application development using Visual Basic, ArcObjects, and COM.

Fort McCoy U.S. Army Training Facility, Wisconsin (2007):

As a subcontractor to the Omaha District Corps of Engineers, conducted the data conversion of facilities mapping onto the ESRI ArcView 3.2a platform, conforming to the United States Corps of Engineers Tri-Services Spatial Data Standard (TSSDS). Conducted training and on-site support for base personnel.

Senior GIS Analyst

Bluegrass GIS, Inc., Frankfort, Kentucky

1999 - 2004

Responsible for all aspects of GIS consulting including project management, needs assessments, situation assessments, implementation planning, system and database design, data conversion, database quality control, system administration, database administration, training, application development, and technical support. Past and present projects include:

U.S. Army Corps of Engineers, Nashville District (2003 - 2004):

Provide full-time on-site support to develop GIS technology within the District. Duties include ArcSDE and Microsoft SQL Server installation, configuration, and administration; geodatabase design; migrating GIS data from shapefile/personal geodatabase formats to ArcSDE/SQL Server; provide technical support; develop data standards; and review and QA A/E data GIS data submissions.

GRW Aerial Surveys, Inc. (2003):

Developed and conducted a three day introduction to ArcGIS/ArcObjects training course. This training course was designed to introduce GRW programming staff to the ArcObjects model and to demonstrate some practical application development skills needed to create software utilities in support of ArcGIS data conversion.

Arnold Engineering & Development Center (AEDC) (2002 - 2003):

Assisted AEDC staff with the design and development of their conservation management database to an ArcSDE Oracle 9i geodatabase on the ArcGIS platform. This project consolidated a number of stand-alone Access databases into an Oracle RDBMS utilizing the OpenGIS specifications to allow access of data through ArcSDE/ArcGIS and Intergraph Corporation's GeoMedia platforms. This project also developed a conservation data management application in Visual Basic that is fully integrated with the geographic components.

Federal Highway Administration (FHWA) (2002 - 2003):

Created two ArcGIS (ArcView 8.2) systems and two ArcIMS 4.0 websites for the FHWA in conjunction with the National Park Service. These systems were developed to support a Road Inspection and Bridge Inventory application for Vicksburg National Military Park, Mississippi, and Joshua Tree National Park, California. The applications developed support geometric networks with point data located along the street centerlines within the National Park boundaries.

Nashville Electric Service (2001 - 2003):

Performed custom application development using Visual Basic, ArcObjects, and COM.

Dyess Air Force Base, Texas (1999 - 2003):

As a subcontractor to the Omaha District Corps of Engineers, assisted in the data conversion of facilities mapping, application development and on-going user support for the Air Force Base's ESRI ArcView 3.2a and ArcView 8.2 GIS. This system utilizes and conforms to the United States Corps of Engineers Tri-Services Spatial Data Standard (TSSDS).

Fort McCoy U.S. Army Training Facility, Wisconsin (2001):

As a subcontractor to the Omaha District Corps of Engineers, conducted the data conversion of facilities mapping onto the ESRI ArcView 3.2a platform, conforming to the United States Corps of Engineers Tri-Services Spatial Data Standard (TSSDS). Conducted training and on-site support for base personnel.

St. Louis Department of Revenue (2001):

Assisted in development of a GIS system/database design and GIS implementation planning study for migration of the Department's Microstation based CADD system into ArcInfo 7.2.1 with emphasis on the County's eventual migration to ArcGIS 8.x and an enterprise geodatabase.

Ellsworth Air Force Base, South Dakota (2001):

As a subcontractor to Surdex Corporation, conducted the data conversion of facilities mapping onto Intergraph Corporation's Geomedia GIS platform, conforming to the United States Corps of Engineers Tri-Services Spatial Data Standard (TSSDS).

Nashville U.S. Army Corps of Engineers (2000 - 2003):

Development of a GIS Needs Assessment/ Implementation Plan. Developed applications and data repositories, including vector, raster and document management systems for a pilot project for the J. Percy Priest Reservoir and Park. Development of this pilot project is on the ArcView 8.1 (ArcGIS) platform.

St. Louis Department of Highways (1999 - 2000):

Conducted a comprehensive GIS needs assessment, GIS system/database design, and GIS implementation planning study.

American Geographic Data, Inc (1999):

As a subcontractor to American Geographic Data, developed a customized ArcView extension which enables the Federal Aviation Administration to determine the environmental impact of their off-airport installations. This application included extensive data research and formatting and focused on the American South and dealt primarily with endangered species and critical habitat, cultural areas, and wetlands.

Senior Systems Analyst

**PlanGraphics, Inc., Frankfort, Kentucky
1994 - 1999**

Systems analyst with proven abilities in project start-up, staff training, and project management. Specialized knowledge of utility data conversion requirements and processes. Extensive computer/CADD skills, including VAX, UNIX, and PC platforms. Provided on-site training and management during project start-up, and participated in numerous conceptual and detailed design sessions.

Specific areas of expertise include: management of production staff, including staffing requirements, production methodologies, and productivity management; development and implementation of data conversion processes and methodologies; development and implementation of quality control systems, including the use of ANSI standards applied to random sampling QA/QC techniques; direct client interface on project-related details, including budgets, contract issues, project schedule development, specification interpretation, and final product quality issues; and consulting. Major projects included:

Mercury Energy, Auckland, New Zealand:

Successfully filled the role of Data Quality Manager for this 250,000 customer electric utility with a service area covering the greater Auckland area. Responsibilities included creating and implementing data conversion specifications, and managing a 35-person conversion, survey, and quality assurance team. Provided an interface with the application development team and data conversion vendors.

Providence Gas Company:

Assisted in identifying and documenting Automated Mapping/Facilities Management data requirements for the implementation of an AM/FM system integrated/interfaced to a work management system and an engineering analysis application. Responsible for interviewing and compiling data requirements from all areas within the company regarding the company's responsibilities to AM/FM, as well as the company's requirements from AM/FM. Developed and implemented data conversion and QA/QC specifications and procedures. Developed a team of data conversion technicians for on-site data collection and compilation. Direct interface with the conversion vendor on issues related to facility conversion and database development.

City of Columbus, Division of Sewerage and Drainage (DOSD):

Conducted data discovery and developed implementation plan for the scanning and indexing of the DOSD sewer and storm drain plans. Developed software using Visual Basic to conduct a comprehensive quality control program. Developed and implemented the DOSD's document management system which utilized TSA/Advet Falcon DMS software and Oracle database products.

NASA, Cape Canaveral:

Conducted a situation assessment regarding a GIS for the Kennedy Space Center. Developed a Conceptual Design and Implementation Plan to assist them in implementing a GIS system.

SaskEnergy:

Developed a data conversion specification for the client's ArcInfo-based AM/FM system.

New England Power System Company:

Assisted in the development of a database design, conceptual design, system specifications, conversion RFP, and conversion specifications.

**Project Coordinator
Baymont Technologies, Inc.
Clearwater, Florida
1988-1994**

Assistant to the Project Manager in scheduling, estimating manpower assignments, and developing project structure. Interpreted project specifications. Developed and executed training programs. Identified problems and implemented improvement measures in quality and production methods. Assisted in the development and implementation of statistical quality assurance techniques. Participated in project start-up, project training, and project management for off-shore production centers.

Conversion Specialist, Southern Bell and US West:

Records compilation and conversion activities, including sole compilation and QA/QC of entire wire centers. Knowledge of telecommunications records, facilities and terminology as required by conversion activities.

Project Coordinator, Michcon Consolidated Gas Company:

Conversion of gas distribution facilities to VAX FRAMME. Performed project manager's duties.

Project Coordinator, Commonwealth Gas Corporation:

Conversion of gas distribution facilities and land base to IGDS. First project coordinator position in the company.

Project Trainer, Union Gas Ltd.:

Conversion of gas distribution facilities to UNIX FRAMME. Start-up and off-shore training.

TECHNICAL EXPERIENCE

Continuing Education:

Visual Basic .NET

Advanced ArcObjects Component Development with VB

ESRI Certified Training: Programming ARC/Info with VBA

ESRI Certified Training: Customizing ArcIMS using HTML & JavaScript

Computer Skills:

Experienced in UNIX (Solaris), Windows, as well as Internet development. Knowledgeable in all ESRI products including ArcGIS, ArcMap, ArcEditor, ArcView, ArcIMS, ArcSDE, ArcFM, ArcPad, and ArcObjects, as well as Oracle, MS SQL Server, AutoCAD v12 –v14, AutoCAD Map 2000, Microstation, Intergraph FRAMME NT, Intergraph MGE, Intergraph GeoMedia, Smallworld and numerous Windows-based software packages. Programming experience includes the languages of Visual Basic, Visual Basic.NET, Avenue, Microstation Basic and MDL, with substantial experience with ArcObjects, COM, and Object Oriented Programming (OOP).

Academic and Professional Accomplishments:

B.B.A. Management, University of Kentucky 2007

Implementing GDS within Nashville District, 2002, Geospatial Technologies Symposium & Exposition, San Antonio, TX

A Beginners Guide to an Intranet Based GIS, GITA International Conference, 1999, Charlotte, NC.

Data Conversion Quality Assurance/Quality Control, Risks & Responsibilities, 1997 IKO, Indianapolis, IN

Data Conversion Quality Assurance/Quality Control, Risks & Responsibilities, GIS/LIS 1997, Cincinnati, OH.

Introduction to GIS and the World Wide Web, Kentucky Tourism Board Annual Conference, 1997.

Optimizing the Benefits of GIS by Accurate and Efficient Data Capture, AM/FM International ANZ Conference 1995, Auckland, New Zealand.

Introduction to AM/FM, NZIGE Annual Conference, 1994, Lower Hutte, New Zealand.