

William S. Woods
Senior GIS Software Engineer

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OBJECTIVE

Utilize my extensive skills as a GIS software developer to meet and exceed the business needs of my clients.

SUMMARY

Over twelve years experience in advanced AM/FM utility GIS software development, deployment, administration and support. Extensive hands-on experience designing, coding and implementing a wide variety of GIS applications for all versions of GE Smallworld systems and ancillary systems. For multiple years served as primary administrator, developer and support for two Smallworld GIS systems installed at Duke Energy, ultimately serving the needs of over 600 client customers.

Extensive work-history in the design, development and delivery of custom GIS software applications including plotting, QA/QC, data conversion, transformer load management and a variety of other telephony/electric/gas utility GIS products. Participated in the design and administration of multiple cross-system data processes, including GIS to Oracle/SQL and to mainframe. Expert in Magik, all SQL and all Smallworld GIS environments. Proficient in C, C++, C#, and VB. Expert knowledge of Emacs, MS Window, Unix Server environments, All MS Office, Visual SourceSafe and Visual Studio. Strong oral and written communication skills, multi-year on site experience at various utility client sites.

WORK/CLIENT HISTORY

Spatial Business Solutions Inc. Lakewood CO
Smallworld Contractor

2008–Present

- Perform application enhancements and bug fixes across multiple GE Smallworld products and releases, including CST 4.11, PNI 4.0/4.10 and Design Manager 4.1/4.11. Fixes and enhancements were performed across many aspects of these systems, including editors, plotting, RWO connectivity, Design Layout Tools and other aspects of these systems.
- Develop PowerOn enhancements for Vectren Corporation to determine and display flow direction, and to enable configuration of device prediction rules during outages based on weather events.
- Analyze Vectren Corporation's GIS landbase road network to identify and repair data issues, and improve annotation placement.

IBM Corp./DUKE ENERGY Golden, CO
IT Specialist

2005–2008

- Full admin and management of two regional GE Smallworld GIS installations (Mid-West and Carolinas.)
- Extensive coding for enhancements, defect repair, and data mining.
- Wide-ranging interaction with auxiliary systems across the enterprise, including Maplink, Jet (Job Estimating), Web-based reporting, SQL Datamarts, and Oracle.
- Responsible for technical management of major software, data and hardware releases impacting hundreds of users.
- Provided services for the enhancement, maintenance and administration of two GE Smallworld installations representing diverse service areas and customizations, and with a combined user base of 600+ engineer/designer users. Responsibilities included

enhancements, defect repair, data maintenance, storage, and replication. Design and implementation of jobs, packages, and I/O for Smallworld/SQL Datamart. Produced FERC reporting from multiple systems. Responsible for data traffic from and to external systems including Oracle, Access, and mainframe legacy apps. Performed Software/database release planning and implementation.

CSC Inc. at Cinergy Corp Plainfield, IN/Golden, CO

2004-2005

IT Consultant

- Developed bug fixes and product enhancements for Smallworld GIS installation at Cinergy Corp.
- Worked extensively on Job Estimating functionality, and an external Smallworld-derived datamart.
- Work included coding, application design, requirements gathering, data-model changes, and extensive interaction with customer management and end-users.

Millennium International Technologies, Inc. Denver, CO

1999-2004

Senior Software Engineer

- Performed product enhancements, bug-fixes and application development at multiple utility Smallworld installations, including Exelon Corp. (formerly ComED), National Grid (formerly Niagara Mohawk) Baltimore Gas & Electric and Modesto Irrigation District.
- Coding duties involved all aspects of Smallworld systems, including plotting, tracing, outage management, electric and gas network tools, data-modeling, job design and cost estimating, data conversion, transformer load management, outage management and QA/QC tools and scripts.
- Analyst duties included gap analysis, requirements gathering, software design, and data conversion process design.
- Also performed extensive business development duties, including composition of RFP responses, general business writing, and interviews and recruitment of new staff.

Advanced Technology Solutions, Broomfield CO

1998-1999

Technical Consultant

- Performed software development tasks for Level 3 Communications Inc.
- Implemented, customized, supported and enhanced a Smallworld ModelIT installation used for management of fibre-optic networks and in-plant facilities.

Plangraphics Inc, Westminster/Golden CO

1996-1998

GIS Consultant

- Assisted in development of multiple Smallworld GIS applications at National Grid (formerly Niagara Mohawk).
- Developed plotting application, joint pole proposal, electric and gas tracing applications, and job estimating tools. Tasks included magik development, Style and ACE configuration and CASE data-model development.

EDUCATION

- **Master of Urban Planning (ESRI GIS concentration in thesis), University of Wyoming, 1996. GPA 3.8**
- **Bachelor of Arts, (English/History Major) University of North Carolina at Charlotte. 1992**

References available upon request.

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