

# Sterling Blake

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**Summary** Senior Software Developer and Manager with a strong functional background in electric and gas utilities and 29 years of professional software development and software project management experience.

**Experience** Jan 2017 – Present Moondog Software, Inc. Boothbay Harbor, Maine  
**President**

Provided subject matter advisory service to internal and client initiatives.

As technical architect for operational smart grids, developed tool to migrate from GE to Siemens EMS and designed and developed parts of its integration to GIS.

Analyzed requirements, data sources, and readiness for ADMS implementation at NYSEG as part of Ithaca Energy Smart Community project.

Conducted assessment of Avangrid's GIS & Mapping department's current processes and recommended both tactical and strategic changes to streamline the processes, aid in compliance with headcount limitations, and shorten the time needed to service demands in support of numerous corporate initiatives - REV/DSIP, Energy Smart Community, Spectrum OMS, Paperless Inspection initiatives, Damage Assessment, and others.

Jun 2014 – Jun 2016 OMNETRIC Group, GmbH Wayzata, Minnesota

**Senior Manager, Architecture, Integration & Technology**

Provided subject matter advisory service to internal and client initiatives.

Developed and presented to industry conferences and clients, OMNETRIC Group's Next Generation Outage Management vision.

Led re-implementation of Asset Analytics and Geographic Information System integration at Hydro One Networks, an electric transmission and distribution utility in Ontario.

Provided guidance to Siemens product development team for redesign of the Spectrum Power product's geographic data information management subsystem.

Provided subject matter expertise to business transformation at Xcel Energy, a large electric and gas utility, with operations in 8 Western and Midwestern states, leading the transmission and distribution work design initiative.

Feb 2007 – Jun 2014 Accenture, LLC. Boston, Massachusetts

**Principal**

Provided subject matter advisory service in lead roles on IT and business transformation projects for gas, electric and water utilities clients throughout North America. Selected roles:

Lead and Subject Matter Advisor, Asset Information Assessment for ONE Gas, a gas distribution utility operating in Kansas, Oklahoma and Texas.

Lead and Subject Matter Advisor, Pipeline Integrity Data and Tools Assessment for ONEOK Natural Gas Pipeline, a large gas transmission utility.

Business Process Lead / Solution Architect, GIS/GWD Implementation for Portland General Electric, an electric transmission and distribution utility in Oregon. Led client executives through Graphical Work Design strategy and selection process definition. Led workshops with operations team to redefine construction design and asset information management processes. Defined Geographic Information System and Graphical Work Design solution architecture and integrations with Work Management Systems.

Lead / Subject Matter Advisor, GIS Roadmap for ONEOK utilities, a gas transmission and distribution utility in Kansas, Oklahoma and Texas. Led team assessing and planning the consolidation of company's three geographic information systems into one.

Delivery Lead, EAM/GIS Integration for Hydro One Networks, an electric transmission and distribution utility in Ontario. Led team and developed solution architecture for integration of company's primary asset information systems.

Project Manager, Geospatial Systems and Technology Projects for Hydro One Networks, an electric transmission and distribution utility in Ontario. Managed a portfolio of geospatial systems integration projects in support of advancing Hydro One's strategic roadmap. Managed budgets, forecasts, vendor contracts and relationships and internal, external and out-sourced teams.

Project Manager for large geographic information system implementation at Duke Energy, a large gas and electric utility with operations in 5 Midwestern and Southeastern states. Led software development team comprised of business, two vendors and third-party consultants.

Data Architect for Smart Grid City project at Xcel Energy, a large electric and gas utility, with operations in 8 Western and Midwestern states. Designed core data architecture.

Business Process & Functional Design Developer in an enterprise geographic information system planning, analysis, and design project at Sempra Utilities, a large southern California gas and electric utility.

GIS-ARMP Designer/Developer, Enterprise GIS at Pacific Gas & Electric, a gas and electric utility in California.

Jul 1998 – Feb 2007      Moondog Software, Inc.      Boothbay Harbor, Maine

**President**

Performed planning, analysis, design, and build tasks on a series of geographic information system projects for New York State Electric and Gas, Rochester Gas and Electric, Central Maine Power Company, and Manhattan Telephone. Mentored junior developers and assisted in schedule and budget development. Selected, relevant projects:

Planned, estimated, and prototyped web-based geographic information system and Outage Management System for Central Maine Power.

Planned, estimated, and co-led the design and build of Outage Management System integrated with geographic information system, customer relationship management system, and work management system for EnergyEast's three electric operating companies: NYSEG, RG&E, and CMP.

Acted as solution architect to help plan, estimate, design, build, test, and deploy enterprise geographic information system across EnergyEast's three electric operating companies.

Apr 1993 – Jul 1998      Walter Fredrick Associates      Peabody, Massachusetts

**Programmer/Analyst**

Conceived, designed, implemented, documented, and maintained the company's line of approximately 30 software products ranging from AutoCAD plotter drivers, to database applications, to online CGI applications. Also established company's web-presence and performed technical support duties.

**Publications** Bill Ernzen, Sterling Blake, James Weaver, “Geospatially aware analytics poised to help utilities optimize billions in assets,” Electric Light & Power, June 2013.  
 Joel Smith and Sterling Blake, DistribuTECH 2014: Painting a Complete Asset Information Picture, January 30, 2014.

**Education** 1988–1992 Marlboro College Marlboro, Vermont  
 B.S. with Highest Honors, Computer Science and Political Science

**Other Experience** 2001–2004 Marlboro College Marlboro, Vermont  
 Served a three-year term as an Alumni Trustee on Board of Trustees. Chaired Systems Integration Committee.

**Languages and Technologies** C/C++, D, .NET (VB, C#, ASP, DOM, COM), BASIC (Visual, Quick, VBA and others), Java/Javascript, Lisp (Common and Auto), Pascal, and assembly  
 Linux, Microsoft Windows & Windows CE, Android, Mac OS X  
 Microsoft Office Suite including Project, Visio, Access, Excel, and PowerPoint