

Michael Sulis <msulis@sulix.com> Software Consultant

loc: 1801 SE 39th, Portland, OR 97214 >> software development
web: <http://sulix.com> >> system integration
tel: 971.404.8647 >> project management

Technical Expertise

Primary Languages : C#, SQL, XML, ASP.NET, HTML
Database Platforms : Microsoft SQL Server 7/2000/2005/Express, Microsoft Access, ODBC connectivity
Environments/Frameworks : .NET Framework 1.0 through 3.5, LINQ, MODBUS device polling, SNMP polling, MS Office VBA (for Excel, Access, and Word), MS Visual Studio, SOAP Web Services
Operating Systems : Microsoft Windows 2000/XP/Vista, MS Server 2000/2003, Ubuntu Linux
Additional Software : AutoCAD, Adobe Photoshop, Adobe Illustrator
Additional Languages : Python, Java, C/C++, Visual Basic

Business Expertise

Analysis and Documentation : Skilled at understanding, investigating, and compiling a clear and concise assessment of business systems. Able to interview users, and communicate in their language.
Graphics and Diagramming : Excellent skills with graphic tools and various forms of modeling including Data Flow Diagrams and UML (Unified Modeling Language) for analysis and design
Management and Planning : Proven ability to manage small teams through dynamic projects, provide consistent feedback and maintain milestones and targets

Work History – Energy Industry

present



Sulis Consulting LLC, Owner

Combining my utility industry experience with a lifetime of technical expertise gives me a unique ability to create focused and efficient solutions for the energy industry. I'm leveraging those skills to help Northwest utilities further develop and integrate their business systems, and to meet new challenges in the changing energy industry.

Current active projects include:

- ETRM (Energy Trading and Risk Management) Software Evaluation and Integration Planning
- Slice Customer Interface – a complex software solution for 6 major Northwest utilities, which will allow them to model the coordinated federal-based hydro system and schedule their energy deliveries with the Bonneville Power Administration.
- Website Overhaul – technical consulting and development of a new website for a local utility



2009



PNGC Power, Senior Systems Analyst

Managed application development and integration, combining an understanding of industry-specific concepts with a lifetime of technical experience. Managed two full-time employees in the IT department, several project-specific contractors, and multiple vendor implementations

- Gained experience with BPA business processes and systems including Slice Scheduling, revenue metering, XML data exchange. Developed relationships with key personnel at BPA.
- Developed an understanding of industry concepts such as NERC e-Tagging, hydro system operations, transmission scheduling, and energy reserve calculations
- Worked with engineering and operations staff to develop an understanding of physical plant operations and electrical engineering concepts



Key Projects

- Schedule balancer: Personally responsible for design and development of a comprehensive scheduling system, with staff assistance and one contract programmer
 - Integrated BPA Slice scheduling, validation and XML communication of schedules
 - Configurable load/resource stack concept implemented to allow other utilities to be incorporated for a picture of the "whole system"



↓	<ul style="list-style-type: none"> ○ Transmission tracking from resources to loads ○ Integration with OATI e-Tagging to calculate energy reserve obligation • Meter Data Management System: Worked with external contractors and PNGC staff to design and develop a system for tracking PNGC's load in 5-minute increments <ul style="list-style-type: none"> ○ KYZ repeat relays utilized to duplicate BPA revenue meter pulses ○ MODBUS counters polled at variable intervals by a custom centralized Windows service ○ Meter status and energy values displayed to schedulers, along with real-time graphical displays of load aggregated by control area • Billing System: managed requirements collection and 2 contract programmers to develop a customer billing system <ul style="list-style-type: none"> ○ Built to mirror BPA's complex Transmission and Power billing procedures, including Power Factor Penalty ratchets ○ Automated distribution of PDFs and notification to customers through a web-based portal • Systems Analysis and Integration: created a comprehensive model of PNGC's business systems in various departments, which provided the company with a long-term map for system integration and acquisition
↓	
2002	

2001	<p>Accent Business Services, Lead Programmer Designed and developed data-centric customer solutions for various organizations in multiple industries, including city governments, county governments and public utilities</p>
↓	<p><i>Key Projects</i></p> <ul style="list-style-type: none"> • Slice Data Exchange – Project lead for multiple clients, developing a system for managing BPA Slice scheduling, validating constraints communicating with BPA to send and receive XML data • Vancouver Police Department, Inventory Management System • Southwest Washington Health District, Computerized Food Handler's Safety Quiz
2000	

1999	<p>Various independent consulting projects Performed work for various clients including Sears Driving School, primarily in DBASE and MS Access, developing, augmenting, and troubleshooting business systems</p>
↓	
1992	

Education

2000	<p>Master of Architecture (M. Arch) <i>Southern California Institute of Architecture</i> Master's Thesis focused on software development and user interface design</p> <ul style="list-style-type: none"> • Primary concept involved historical investigation of modes of visual representation • Thesis work culminated in the development of a functional 3-dimensional modeling application in Java 1.2, built to explore alternate modes of "volumetric" modeling, and to explore user interface limitations and possibilities
1997	<p>Bachelor of Science in Architectural Studies (BSAS) <i>University of Illinois, Urbana-Champaign</i></p>
1989	<p>Undergraduate studies in Engineering <i>University of Illinois, Urbana-Champaign</i></p>
↓	
1987	<p>2+ years of courses in engineering including advanced courses in Physics, Math, and Computer Science</p>

Personal Data

<i>Status</i>	40 years old. Married, no children. Resident of Portland for 10 years.
<i>Hobbies</i>	Photography (primarily pet portraiture, birds and wildlife), Bonsai
<i>Activities</i>	Hiking/Backpacking/Camping, Rock Climbing, Sea Kayaking