

*Making data usable for people.*

## Accomplishments

### Data Management, Data Warehousing & Business Intelligence

- Designed and implemented medical data warehouse for Utah Department of Health in MySQL (92 dimension and 54 fact tables). Managed development of extract-transform-load (ETL) process using Pentaho Data Integration.
- Implemented MySQL 4 and MySQL 5 database replication.
- Ensured compliance of medical information system with federal XML standard (XSD).
- Created or managed the creation of over 50 reports using Pentaho Reporting.
- Implemented data entry logic in medical information system using JBoss Drools.
- Managed introduction of Web services in medical information system using Apache Axis2.
- Pioneered use of Schematron for data validation in emergency medical information system.
- Led Utah to be one of the first ten states to submit data to the National Emergency Medical Services Database.
- Designed and completed data extracts for researchers using Pentaho Data Integration.
- Led state emergency medical services data managers in comprehensive review of federal XML schema update.
- Consolidated legacy medical information system data from five database tables and 285 disks and network files.
- Linked ambulance and hospital trauma registry data using Pentaho Data Integration.
- Created and documented conceptual and logical design of data warehouse for Syracuse City School District and built reference implementation in MySQL.
- Analyzed school employee data (such as leave usage, overtime, and wages) using SQL.

### Leadership and Project Management

- Revived a struggling medical data collection system development project, taking it to production and widespread adoption.
- Increased ambulance patient care reporting compliance in Utah from 35% to 90%.
- Managed multiple IT development contracts: initiation, planning, execution, monitoring, and closeout.
- Coordinated annual state emergency medical data conference with average attendance of 50.
- Brought a struggling Pentamotion-IEP+ student information system integration to completion in weeks.
- Maintained 90% client retention rate at ActivePage Design through effective project management.
- Served as professional advisor to 250 adult volunteers serving 700 youth in 58 Boy Scout groups.

### Communication

- Wrote and maintained 64-page user manual for medical information system.
- Designed and conducted system user training for over 1,000 medical technicians.
- Presented at national conferences on emergency medical services data topics.
- Marketed Syracuse University Information Management program to prospective students.
- “Trained the trainers” and improved training results as training advisor for Grand Columbia Council, Boy Scouts of America.
- Demonstrate impeccable oral, written, and visual communication skills.

# Joshua Legler

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## Skills

- Data: SQL, MySQL, Oracle, relational modeling, dimensional modeling (star schema), XML, XSD, XSLT, Schematron.
- BI: Pentaho Data Integration (Kettle) ETL, Pentaho Reporting, Pentaho Analysis (Mondrian).
- Web: HTML, JavaScript, CSS, PHP, Apache, Tomcat, Web services, graphic design, and publishing.
- OS: Linux, Bash, shell scripting.

## Work History

### Data Manager

Jun. 2005–present

Bureau of Emergency Medical Services and Preparedness, Utah Department of Health

- Manage Utah's ambulance patient care reporting system (Linux, Apache, MySQL, Tomcat), collecting 200,000 reports per year and recognized nationally for its success.
- Manage Utah's emergency medical technician credentialing system (Linux, Apache, Oracle, Tomcat), tracking 15,000 personnel certifications.
- Supervise four FTE personnel providing certification services.
- Manage [health.utah.gov/ems](http://health.utah.gov/ems) Web site.

### Assistant to Program Director

May 2004–Jun. 2005

MS Information Management program, School of Information Studies, Syracuse University

- Served as founding project manager of the *IT Exponent*.
- Led 15 graduate students reporting on emerging technologies.

### Owner

Sep. 1999–Jun. 2005

ActivePage Design

- Provided Internet solutions, training, and strategy consulting to diverse small business clientele.
- Created Web sites recognized for ease of use and clean designs.

### Data Warehousing Intern

Feb. 2004–Aug. 2004

Information Services and Technology, Syracuse City School District

- Designed and documented schema for data warehouse of employee data.
- Assessed user needs for senior administration dashboard of operations data.

### District Executive

Apr. 2001–Jul. 2003

Grand Columbia Council, Boy Scouts of America

- Worked with members, volunteers, and donors to grow Scouting.
- Served as staff computer consultant.

## Education

### MS, Information Management, Syracuse University

May 2005

- 4.0 GPA
- Specialization: Data Management
- Recipient, Master's Prize (one awarded per program annually)

### BA, Business Administration, University of Washington

Jun. 1999

- 3.73 GPA, *Cum laude*
- Concentrations: International Business, Human Resource Management
- President, Japan Track, Certificate of International Studies in Business, 2 years