

PROFESSIONAL EXPERIENCE

ESP Solutions Group, Inc.

Chief Technical Architect (2005 – Present)

Mr. King is ESP's foremost expert on systems architecture and interoperability. His responsibilities include: project design and direction; data system architecture planning; data analysis; and strategy for local, state, and federal education agencies. As a Project Director, he provides leadership and architectural direction for projects that include data warehousing, data inventory, Schools Interoperability Framework (SIF), and data collection and reporting.

Mr. King has deep understanding of education data standards especially in the context of state education agencies. He helped identify the contents of the federal data collection system, *EDFacts*, and designed the XML validation formats and procedures. He has been active in the development of the National Education Data Handbooks from NCES and participated on the development of the National Education Data Model. He assists our clients in the design of the data governance and management procedures and processes. He leads our activities related to data inventory and data collection system design and requirements.

Mr. King has served on the Board of the SIF Association since 2005—advancing technical discussions within SIF to better achieve standards for systems interoperability, as well as working with vendors and education agencies on SIF implementations.

Recent Client Projects

Data Warehouse Architect, Missouri Dept of Elementary and Secondary Education

Data warehouse Design

ETL procedure design

Analysis Services cube design and implementation

Report design and implementation

Project Lead, Montana Department of Public Instruction

Data warehouse requirements gathering

Data warehouse RFP construction

Implementation roll-out strategy

Project Director, Alaska Department of Education and Early Development

Education Information Reporting Portal

Information System Architecture

Data Inventory and Analysis

Automated Data Collection

Schools Interoperability Framework (SIF)

Implementation

Project Director, Idaho State Department of Education

Automated Data Collection

Consulting on Legacy System Replacement and Redesign

Information System Architecture

Data Inventory and Analysis

Core Data Management System Re-engineering

State Longitudinal Data System Grant Application Assistance

Project Director, Natrona County School District, Casper, Wyoming

Information System Architecture

Data Warehouse RFP Requirements and Development

Project Director: California Department of Education

CALPADS *EDFacts* Gap Analysis

Project Director, North Carolina Department of Public Instruction

EDEN/ *EDFacts* Reporting Project

State Longitudinal Data System Grant Application Assistance

Project Director, Maine Department of Education

Data Inventory Project Phase I

Information Systems Architect, Missouri Department

of Elementary and Secondary Education

Longitudinal Data System Requirements

MOSIS project

Consultant, U.S. Department of Education

EDEN/*EDFacts* Support

Wyoming Department of Education

Director, Data Management Unit (2003 – 2005)

At the Wyoming Department of Education (WDE), Mr. King managed department data collections and reporting aimed at maximizing the utility of agency information for decision making while minimizing the burden placed on schools and districts. His responsibilities included: coordination of staff activities and priorities; policy development and recommendation; collaboration with schools and districts on data collection design and

schedule; and liaison to federal program offices and organizations. He was also responsible for overseeing the internal technology plan and network infrastructure for the WDE.

Information Resources Manager (1989 – 2003)

Mr. King coordinated WDE data collection and reporting activities. His responsibilities included: collection form design and automation; liaison work with schools, districts, and federal program offices; training of WDE and school district staff on data collection, collection design, and data-driven decision making. He designed and built the Department's Oracle data system and warehouse as well as the Department's first website.

Education Technology Consultant (1985 – 1989)

Mr. King consulted with Wyoming schools and districts on how to use technology in classrooms for instruction. His responsibilities included: conducting workshops and trainings, curriculum design and review, and coordinating with state professional organizations. During this time, he implemented and installed the first network for the WDE and the first Email system in state government.

Whisman School District (Mountain View, CA)

Computer Resource Teacher (1981 – 1982)

Mr. King taught computer science and computer literacy to middle school students. He trained district teachers in the use of computers in their classrooms and subject areas.

James Logan High School (Union City, CA)

Mathematics and Computer Science Teacher (1978 – 1981)

TECHNOLOGY PROFICIENCY

Database Management Systems: MS SQL Server; Analysis Services, Oracle, MS Access, Visual FoxPro

eXtensible Markup Language: XML schema development, XML style sheets and transformations (XSLT)

Web development: HTML CSS

Programming Languages: PL/SQL, Java, C, C++, Pascal, Logo, Visual Basic, SVG, SQL

EDUCATION

Teaching Credential in Mathematics, Life Science – San Jose State University (1978)

B.A. in Mathematics – University of California, San Diego (1977)

PROFESSIONAL ORGANIZATIONS

Schools Interoperability Framework Association (SIF Association)

Board of Directors (2005 – Present)

SIF Association Treasurer (2008 - present)

Education Information Management Advisory Consortium (formerly EIAC)

EIAC Chair (1999 – 2000), EIAC Vice Chair (1998 – 1999)

General Statistics Permanent Standing Task Force

Chair (2004 – 2005)

Vice Chair (2002-2004)

General Statistics Sub-committee

Chair (1997– 1998)

Vice Chair (1996-1997)

National Forum on Education Statistics

Forum Vice Chair (1994)

Technology, Dissemination, and Communication Committee

Chair (1993 – 1994)

Vice Chair (1992-1993)

Education Indicators Task Force Chair (2002-2005)

Security Guide Task Force Chair (1996-1998)