

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 and EDFacts. 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 serves as the product manager for ESP's DataSpecs™ metadata dictionary tool and the EDFacts Shared State Solution™. DataSpecs manages information on agency collections, repositories and reports. It manages an agency data dictionary and links to national standards for content mapping and alignment review, such as the Data Handbooks, SIF, EDFacts, and CEDS.

Mr. King has served on the Board of the SIF Association since 2005

Recent Client Projects

SEISS Site Visit Team, US Education Department; EDFacts and SEA Content and Process Expert; Team Member: Arizona, Idaho, Oklahoma, Rhode Island, and South Dakota

Project Director, South Dakota Department of Education; EDFacts Automated Reporting System Architect; Data Warehouse Integration

Chief Architect, Missouri Dept of Elementary and Secondary Education; Data Warehouse Demonstration Site Developer; Production Data Warehouse Design and Architecture; EDFacts Solution Design and Architecture; Report Conversion; Longitudinal Data System Requirements; MOSIS project

Project Director, Montana Office of Public Instruction; Information System Architecture, Technical Design; Data Warehouse RFP Requirements Development and Documentation; Data Dictionary Implementation

Project Director, Alaska Dept 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 Dept of Public Instruction; EDEN/ EDFacts Reporting Project; State Longitudinal Data System Grant Application Assistance

Project Director, Maine Dept of Education; Data Inventory Project Phase I
Consultant, U.S. Department of Education; EDEN/EDFacts Support

Wyoming Department of Education

Director, Data Management Unit (2003 – 2005), Information Resources Manager (1989 – 2003)

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.

Education Technology Consultant (1985 – 1989)

Whisman School District (Mountain View, CA)

Computer Resource Teacher (1981 – 1982)

James Logan High School (Union City, CA)

Mathematics and Computer Science Teacher (1978 – 1981)

TECHNOLOGY PROFICIENCY

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

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

Web development: HTML, CSS, AJAX, JavaScript

Programming Languages: tSQL, PHP, 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)

International Board of Directors (2010-2012); US Management Board (2010-2011); Board of Directors (2005 – 2010); SIF Association Treasurer (2008 - 2011)

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)