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J. Randy Pearson

Summary

Mr. Pearson combines expertise in management systems and information technology to design and implement sophisticated software applications for government clients. Mr. Pearson specializes in developing information systems to facilitate both collaboration and information deployment for organizations with complex information system needs. Mr. Pearson currently focuses on developing dynamic, database-driven web-based applications. In addition to having a thorough understanding of relational database management and project management theory, Mr. Pearson is an expert software developer using Microsoft Visual FoxPro and other Microsoft development technologies. Mr. Pearson has developed application frameworks that promote rapid application development (RAD) of web-based systems. Mr. Pearson has co-authored a book, authored articles, and spoken at conferences, workshops and users' groups on topics related to software application development and security.

Employment

1990 - Present Cycla Corporation Alexandria, VA

Partner

- Principal system architect for client information system design and development
- IT Director, managing all internal Cycla applications, networks, and Internet services

Education

1982-1984 Carnegie Mellon University Pittsburgh, PA

M.S. Industrial Administration

1973-1977 Carnegie Mellon University Pittsburgh, PA

B.S. Electrical Engineering and Economics

Major Projects

Pipeline and Hazardous Materials Safety Administration

Over nine years experience as architect and application developer for web-based applications in support of evolving PHMSA new initiatives. This included:

- Designed and developed the Integrity Management Database (IMDB), a web-based information system designed to support hazardous liquid and gas integrity management inspections and analysis for the PHMSA. The IMDB supports numerous groups of users, including Federal, state, and industry; each group requiring different functionality and security policies.

- Designed and developed the Operator Qualification Database (OQDB), a web-based information system to support the PHMSA operator qualification (OQ) inspection effort.

- Designed and developed a web-based information system to support PHMSA in its Research and Development (R&D) program. The system has various modules, including support for pre-award proposal evaluation, post-award project management and reporting,

and public dissemination of R&D products and results.

- Designed and developed additional web-based information systems to support collaboration, reporting, and outreach for various PHMSA initiatives. Specific initiatives included: a public meeting registration system; a system for online collection of pipeline operator public awareness self-assessments; and a system to support various task force and committee collaborations, including the One Call System Study (OCSS).

Department of Energy

Developed the Department of Energy's (DOE) Environment, Safety and Health (ES&H) Management Plan Information System, a relational database application used at DOE facilities to budget, track, and report ES&H projects.

United States Enrichment Corporation (USEC)

Designed and assisted in implementation of an Issue Management (IM) information systems for the United States Enrichment Corporation (USEC). The system included web-based functionality that extended its access to all corporate personnel.