



03/01/2002 10:07 AM

To: Jerry.quest@sargentlundy.com  
cc:  
Subject: Resume

Dear Mr. Quest

I am currently searching for a management position in the following areas: quality assurance, engineering and construction, project management, and procurement management.

My successful record includes the development and enhancement of quality assurance program and implementing procedures and Procurement plans in the energy sector for various American and Canadian nuclear and commercial power plants and suppliers.

Experience includes, project management, engineering and construction, material/procurement management, personnel management, and risk assessment.

If you are currently involved in a job search for someone with my skillset, I would appreciate the opportunity to discuss the position with you.

I look forward to hearing from you.

Sincerely,

Oscar B. Shirani



Enclosure Shirani, Oscar resume-1.do

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OSCAR B. SHIRANI, PE

Phone: [REDACTED]  
Cell Phone: [REDACTED]  
Fax: [REDACTED]  
E-Mail: [REDACTED]

### JOB OBJECTIVE

A management position in quality assurance, engineering and construction, procurement, and project management.

### EXPERIENCE SUMMARY

Developed and enhanced quality assurance program and implemented procedures for various companies and suppliers. Versatile experience in management operating processes, risk assessments, project management, engineering, and supply/procurement management. Experience includes management of professional staff and materials and business development in various organizations. Nuclear utility experience is blended with a broad range of other industry segments such as transmission, distribution, and fossil and other industries. Developed and executed vendor assessments and audit protocols. Served as a lead auditor and technical expert in various NUPIC (Nuclear Users Procurement Issues Committee) audits. Developed various qualities that are essential to the management position:

- Leadership Experience
- Team Building
- Customer Relationship
- Effective Cost Management
- Innovative Solutions

### PROFESSIONAL EXPERIENCE

**LANDMARK ENGINEERING & CONSULTANTS, INC.**, Glen Ellyn, Illinois and St. Leonard, Maryland

2002 to Present

#### Vice President, Quality Assurance

Develop quality assurance program and provide consulting services to clients in various industries. Develop technical and quality procedures in contract administration and specification, engineering, management, procurement, construction, inspection/testing, operation, maintenance, and modification.

**EXELON CORPORATION**, Chicago and Downers Grove, Illinois

1990 to 2001

#### Principal/Manager-Audit (2001)

Participate and lead the internal Process and management audits for board of directors.

- Provided best practice recommendations and business risk controlled model for the internal process and management audits.
- Identified major issues and provided root cause evaluation, risk assessment, and recommended solutions for projects ranged from a million to over \$100M. This was due to my extensive engineering and project management past experience with engineering firms.

#### Senior Staff Engineer/Quality Assurance Administrator (1994 to 2001)

Provided management and oversight for quality assurance program of utilities, suppliers, designers, fabricators, and manufacturers of safety related material and services. Prepared and managed the Procurement Engineering Plans for energy industry

- Developed and enhanced quality assurance program and procedures for various American and Canadian companies as a private consultant
- Led and participated in various internal audits at nuclear sites as well as NUPIC audits of suppliers, manufacturers, and architectural engineers and nuclear systems supply services organizations for over six years. Detected major issues and provided enormous improvement techniques for controlled processes.

**Senior Staff Engineer/Quality Assurance Administrator, continued**

- Constructed a Design Audit Course in 1998 and conducted multiple training sessions to various Exelon Nuclear sites and other nuclear utilities and suppliers. The training was adjusted to the needs of quality assurance, design and construction engineering, and supply/procurement management personnel.
- Led and participated in the commercial grade surveillance/audits of certified ISO 9000 suppliers.
- Prepared various procurement plans for the dedication of commercial grade materials' upgrade to nuclear applications.

**Senior Engineer (1990 to 1994)**

Responsible for design, analysis, and development of procedures and processes in the areas of mechanical and structural areas such as structural rigging analysis, seismic scaffolding, and equipment qualification.

- Supervised and managed over 7 in-house personnel and eliminated the contractors for component seismic and weak Link analysis per USNRC GL-89-10 Program. Responsible for qualification of over 1600 safety related component for the mechanical/structural engineering department for over three years and saved more \$50M.
- Managed acquisition of design material at the nuclear engineering department for in-house analysis and provided leadership solution process improvements, and elimination of overhead costs associated with suppliers' contracts.
- As the manager of equipment seismic analysis group authored a technical paper and used the elastic-plastic theory to defend the operability of motor operated valves exceeding the design allowable, which was used by the nuclear industry. The subject paper was endorsed by NRC and ASME-PVP and helped to prevent the shutdown of Boiling Water Reactors at ComEd Nuclear Stations for over 70 valves exceeding the design allowable limits and saved millions of dollars for ComEd per day.
- Presented technical papers at the conferences of American Society of Mechanical Engineer Pressure Vessel Piping Division (ASME-PVP), and Motor Operated Valve Utility Group (MUG). The purpose of these papers was to provide the justification for the changes in the design basis and operability evaluation of nuclear plant components.
- Provided a break through process improvement and cost effective solution for the nuclear power plants. Started an intuitive effort by collecting data, researching the spending costs for all the structural lifting/rigging requests and highlighted the cost benefit to management. Gained the approval of management and built the design standards saving \$5-7 Million annually for the next 40-60 years as documented in a report to the ComEd Nuclear Finance Vice President. This project was praised as one of the most costs saving approach developed by ComEd internal staff and nominated for Team Fest III.
- Prepared the Structural Design Criteria for ComEd Dresden and Quad Cities nuclear stations which was nominated for the outstanding achievement award by the Nuclear Engineering Vice President.
- Performed concrete inspection of structural cooling towers & other structures in nuclear plants

**STONE & WEBSTER ENGINEERING CORPORATION, Boston, Massachusetts**

1980 to 1990

**Civil/Structural Engineer, Senior Engineer, Principal Engineer/Manager**

- Provided design and analysis of structural steel and reinforced concrete members for various projects
- Performed construction and engineering management at various nuclear and fossil sites
- Performed walk down, field inspection and managed 20-25 construction staff at various sites
- Utilized codes such as AISC, AWS D1.1, ASTM, ASME, ACI, ANSI, and other Industry Standards

Served:

- Northeast Utilities Company, Groton, CT
- Virginia Electric Power Co, Richmond, VA
- Texas Utilities, Glen Rose, TX
- Westinghouse Corporation, Pittsburgh, PA
- Westinghouse Corporation, Richland, WA
- Duquesne Light & Power, Beaver Valley, PA

**COLLEGE OF DUPAGE, Glen Ellyn, Illinois**

1990 to 1996

**Part Time Instructor, Natural Sciences and Math Department**

PRIMERICA FINANCIAL SERVICES, INC.  
/TRAVELERS GROUP/CITIGROUP, Oakbrook, Illinois

1993 to 1997

Part Time

Promoted to Sales/Marketing Manager and Financial Analyst. Performed financial analysis for clients and conducted training sessions for many financial analysts.

**EDUCATION**

Masters of Science, Civil Engineering, George Washington University, Washington, D.C.  
Bachelor of Science, Civil Engineering, W. Virginia University, Montgomery, West Virginia

**CONTINUING EDUCATION/PROFESSIONAL DEVELOPMENT**

- Professional Engineering License (PE) and EIT
- Boiling Water Reactor and Pressure water Reactor Training
- IEEE Add On Training (Extension of SQUG)
- Root Cause Analysis course by FPI International
- Conflict Resolution and confrontational skills
- Put it in writing, effective communication, and business writing for results training
- Self directed work teams seminar
- Marketing and sales concepts course
- Supervisory interviewing skills workshop
- Interpersonal managing skills course
- Insights for excellence and time management training

**COMPUTER SKILLS**

Access, Excel, Windows 95, Word 97, Word Perfect, Visio-Graphic, AutoCAD, ALGOR, ANSYS, SAP80, MathCAD, and Passport (configuration management system).

**PROFESSIONAL AFFILIATIONS**

- Member of IIA, ASQC, AISC, ASCE, ACI, Faculty Association State of Illinois.
- Technical Program Representative and Committee Member of the American Society of Mechanical Engineers Pressure Vessel & Piping (ASME-PVP), Operation, Application, and Components (OAC). For the last decade, I have prepared, reviewed, promoted many technical and quality sessions as a contribution to the industry in nuclear, fossil, transmission and distribution, and other industries from all over the world.