Kathleen P. Robson

OBJECTIVE:

Systems Engineer with extensive analysis, documentation and software quality experience seeking to perform similar tasks.

PROFESSIONAL EXPERIENCE:

Air Force Liaison, SEI CMM, Project Engineering, Tiger Team Leader, Task Leader, Systems and Requirements Analysis, Document Development, System-level Testing, IDEF1X Modeling, IV&V, VV&A, Enterprise and Business Process Modeling, IDEF0 Modeling, Test Case Generation, Proposal Development, CASE Tools, Y2K, Auditor, RADAR, Familiarity with FIPS and DoD Standards, Military Specifications, Instructor

APPLICATIONS / LANGUAGES

Rational Tools, to include RequisitePro and ClearCase, Word, RT, EXCEL, Access, Frame, Teamwork, EV, EMS2000, BPWin, FoxPro, T, PeopleSoft, AutoCad, PVCS, Ada, Fortran, ERWin, AppleTalk, Interleaf, MacWrite, MacSchedule, MicroPlanner, AmiPro, FileMaker, FrameMaker, PDMLink, MS Project, MS Access, other MS Office applications

EMPLOYMENT HISTORY:

ITT, Rochester, NY. 2005 - Present: Systems Engineer

Produced Test Design Description documentation in support of integration and testing of space telescopes. Project manager of NASA's Space Alliance Technology Outreach Program (SATOP) at ITT (contract worth $50K). Also reported on training information for Image Processing and Software (CMM level 3 compliant) divisions, supporting ITT's continuous improvement process. Performed capability testing of PDMLink tool. Member of medical emergency response team (MERT).

Xerox Corporation, Rochester, NY. 1999 - 2002: Systems Engineer

Wrote systems requirements for large color printers. Researched and interfaced with different groups, utilizing excellent written and verbal skills. Accomplished tasks ahead of- or on schedule. Aided in process and procedure creation and updates in support of CMM level 2. Installed and support Rational Requirements tools. Member of MERT.

AJILON, Rochester, NY. 1998 - 1999: Systems Consultant

Contracted to Eastman Kodak on the Vastera EMS2000 (an import/export documentation application) production support implementation team, which interfaces with Kodak's ERP SAP R/3 projects. Performed Year 2000 (Y2K) compliance analysis on SAP, Manugistics Demand Supply Management (DSM), EMS2000, Vertex Quantum.

Computer Task Group, Rochester, NY. 1997 - 1998: Systems Engineer Consultant

Contracted to Xerox Corporation, identifying data interfaces between the legacy billing data for conversion to PeopleSoft. Performed data tracking, standards and quality. Identified and required resolution of gaps. Wrote system-level documentation, researched middleware solutions, performed planning and scheduling.

COLSA Corporation, Huntsville, AL. 1995 - 1997: Systems Engineer

Defense Modeling and Simulation Distributed Interactive Simulation (DIS): Developed IDEF0 functional model for EMF group to hook into IV&V process, identified DIS exercise planning techniques. Chaired 2 development teams to develop IEEE standards boilerplates. Created development life cycle guidelines for use by DIS planners. Authored and delivered 2 position papers at the semi-annual "DIS Workshop on Interoperability" in September 1995 and March 1996. Interfaced with Pentagon personnel. Coordinated with other working groups utilizing business process improvement techniques to model newly defined methodology. Prepared briefings. Travel.

Teledyne Brown Engineering, Huntsville, AL 1987 - 1994: Systems Analyst

Teledyne Corporate Compliance Audit: Researched and assigned Teledyne Allvac/Vasco metallurgical procedures to their customers' specification requirements and forwarded to designated personnel for sign-off, in compliance with ISO 9000. This entailed understanding metallurgical procedures, methods, and terminology. Extensive travel.

Integrated Computer-Assisted Systems Engineering (I-CASE): Researched software solutions fulfilling requirements of Air Force I-CASE proposal, and defined and developed interface specification. Wrote the Software Design Plan and helped develop

prototype. Performed business process modeling. Participated in SEI CMM compliance audits. Created and maintained the requirements database, developed the system integration and test process models, and analyzed proprietary vendor products.

Paladin: (Army) Planned and led 12 people to perform a successful time-critical information conversion project by translating 10,000 hard copy pages of CSCI test scenarios using VAX and IBM OCRs, and through a series of 5 different computer systems in 10 days.

Space Station Freedom WP01 (SSFP): (Space Programs) Performed IV&V, analyzing requirements thread trace and testability. Created functional structure trees from requirements, wrote SSFP V&V methodologies, and trained new employees on SSFP tools, and methods.

AMCCOM Technical Assessment for Software Quality (TASQ): (Army) Researched over 400 software analysis tools, consisting of in-depth interviews with sales personnel and technical staffs of each company. Also reviewed documentation, evaluation and formal reporting with recommendations. As a result of the recommendations, select tools were purchased.

Korean RADAR Project: Performed Quality Assurance and requirements analysis on this project.

Air Force Automated Message Processing Exchange (AMPE): Performed IV&V, analyzing hardware and software systems. Traced requirements, analyzed Ada PDL, and performed interface analysis. Updated work breakdown structures.

Scientific Systems, Cambridge, MA 1986 - 1987: Junior Systems Engineer

Air Force Over-The-Horizon Backscatter (OTH-B) Radar: Performed IV&V, to include: Liaison between the Air Force, General Electric (GE) technical staff, GE Quality Assurance, and Scientific Systems management. Researched and reported on undocumented history of hardware and software testing. On-site government monitor of the Initial Capabilities Verification Test. Audited Test Data Notebooks and performed OTH Signal Processor software Physical Configuration Audit.

TAD Technical Services, Syracuse, NY 1984 - 1986: Data Systems Test Engineer

Air Force OTH-B: Designed, developed, and maintained the Project Management System for the Data Systems test team at GE, to include manpower costing, Earned Value calculations, test scheduling and tracking through the use of PERT and Gantt charts. Briefed status to Program Management. Maintained work breakdown structures. Created, executed, and analyzed results of system level test procedures on OTH-B. Responsible Individual for system-level testing of initialization, reconfiguration, data recording, and playback.

EDUCATION

MS, Systems Engineering	Southeastern Institute of Technology	Huntsville, AL	1991
BM, Education, Voice	Heidelberg College	Tiffin, OH	1982

Additional courses in Rational methodologies, Organic and Inorganic Chemistry, Physics, RADAR, Calculus, Upledger CSTI, CSTII, SERI, SERII, PeopleSoft, Vastera EMS2000, T, Interleaf, DCL, RT, PDMLink

OTHER

- Clearance: TS / SCI (Active)
- Member, INCOSE #509
- AF Commendation on AN/FPS-118 OTH-B
- Listed in Marquis Who's Who of American Women
- Volunteer: Mathematics Tutor, Girl Scout Cookie Chairman