

Kirby Schrader

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Objective

Project Management or Technical Management position.

This would allow me to apply the people and technical management skills that I have developed during my career.

Education

Bachelor's Degree in Electrical Engineering (Electronics)
Kansas State University, Manhattan, Kansas

Career Profile

A many faceted career spanning many different countries around the world which focused on difficult environments and working with many different types of people. This included many operational and technical management positions.

Recently, engineering project management and online documentation/training have been the focus. This project management provided a wide experience and technical knowledge in electronics and mechanical design and packaging for a specific, specialized application. This was followed by a consulting position for a large project with a major oil company and a return to R&D and Development Engineering.

Professional Qualifications

- Technical Advisor and Project Director with an Integrated Product Team
- 6 years of R&D and Development Engineering
- 5 years of experience in a major oil company as consultant for their 'SmartWells/SmartFields' project. This position included smartwell completion designs (several technical world records attained) and overseeing the people, organization and technology for implementing remote control of these wells and platforms.
- 17 years of experience in an overseas oilfield service company operations as field engineer, operations manager and technical manager. These positions included handling day to day operations in the field, yearly budgeting, engineer and local staff training, and equipment and personnel management in very remote locations around the world. Technical skills include data analysis (field logs, performance statistics, etc.), achieving objectives on time and budget, solving problems by assembling and coordinating a team

with the needed qualifications, testing and proving new technologies, and communicating with vendors.

- 10 years of experience in Engineering and Manufacturing environments in Japan and Houston as Project Manager of 7–10 man teams. Led three engineering projects to a fully functional Experimental Prototype stage. I was very involved in all aspects of project design.
- More than 1 year of experience in the introduction of Technology Based Training, on-line documentation and XML based documentation.
- Beta tested, introduced and trained others on an XML based documentation data base system for online training and manuals that focused on re-usable content.

Technical Experience

- Smart completion (sometimes called smartwell or intelligent well) design and installation for the oilfield. This includes production casing and tubing design.
- Infrastructure design and implementation of remote control systems for smartwells.
- Sensor testing and qualification (fiber optical gyroscopes, ring laser gyroscopes, hemispherical resonator gyroscopes, inertial grade high performance accelerometers)
- Sensor performance testing included tests for noise, bias, linearity, scale factor, random walk, etc. over temperature
- Environmental qualification included long term heat soak, temperature cycling, shock and vibration testing for downhole use.
- Very knowledgeable regarding Macintosh computers (OS 9 and OS X), skilled at Windows based computers (Windows 2000 Professional and XP), working knowledge of Unix based computers and Ethernet based (10baseT and 100baseT) TCP/IP networks
- Extensively used oscilloscopes, frequency counters, DVM's, and other test equipment in the lab environment
- Experienced with troubleshooting and repair of various types of personal computers and workstations
- Experience with LabVIEW software
- Experience with Matlab
- Basic mechanical CAD design using Canvas and AutoCAD for test jigs and adapters
- Other software: MS Office (Excel, Word, Powerpoint), Adobe Illustrator, Adobe Acrobat, Adobe Photoshop, Eudora, Filemaker)
- Designed and maintained structure, overall content (using HTML) and server hardware and software for both personal and corporate websites.

Professional Employment

2013 – Present Baker Hughes, Houston

- Technical Adviser and then Project Director with the Lower Tertiary Integrated Product Team for development of an ultradeepwater completion system.

2007 – 2013 WellDynamics (Halliburton), Houston and Brunei Shell Petroleum

- Seconded to Brunei Shell Petroleum as project engineer/manager for implementation of integrated SmartWells and SmartFields in Brunei.
- Design of SmartWell completions for highly deviated gas wells and horizontal 'snake' wells. Completion designs include Interval Control Valves (ICV), Distributed Temperature Sensing (DTS) and Permanent Downhole Gauges (PDHG) in both electrical and optical technologies. Well and completion design are highly effective in maximizing production and cleanup of the entire horizontal well section.
- Part of the overall team in BSP that realizes the movement of data from the wellhead through the BSP communication infrastructure to the storage database and on to the end users' desktop.

2000 – 2001 Schlumberger Sugar Land Product Center in Texas

- Managed and completed conversion of more than 100 legacy maintenance manuals and other documentation to on-line versions with navigation.
- Introduced and tested an XML based documentation database system.
- Introduced Technology based training concepts and plans for the center
- Trained other engineers

1994 – 1999 Schlumberger Sugar Land Product Center in Texas

- Project manager of a 10 man Engineering development team
- Tested and qualified new technology sensors and software techniques.
- Integrated sensors, hardware and software, into a complete downhole acquisition system

1991 – 1994 Schlumberger K.K. Engineering in Japan

- Project Manager of 9 man engineering development team
- Two engineering projects taken to Experimental Prototype
- New technology sensors were performance and reliability tested, then qualified environmentally for downhole use.

1988 – 1991 Indonesia

- Division Technical Manager for operations
- Revamped and reorganized importation and exportation facilities and methods, saving more than \$100,000 per month
- Improved maintenance facilities, schedules and techniques, improving efficiency
- and reduced failure rates by 50%

1983 – 1988 Aberdeen, Scotland and Shetland Islands

- Production Logging Engineer, District Technical Manager and Field Test
- Coordinator for offshore base (40+ rigs)
- Successfully introduced several new prototype tools to oil companies and trained engineers and local staff to operate and maintain the equipment

1982 – 1983 Trinidad

- District Technical Manager and Field Service Manager
- Improved service quality and tool job performance by a factor of 2
- Organized cleanup of large obsolete explosives dump after obtaining government and police approval

1981 – 1982 Peru

- Location Manager in charge of jungle operations for three oil companies
- Reduced competitors market share by 67%
- Improved service quality to PetroPeru by more than 80%

1974 – 1981 Holland, UK, Norway, Turkey, Iraq, Sudan

- Operating Field Engineer

Personal Details

Status: American, Married, 3 children

Personal hobbies include computers (Macintosh being the favorite), home computer networks with mixed platforms, gardening, house remodeling, sports car restoration and rebuilding, and vintage racing.

Recognized throughout the US as an expert in Detomaso Pantera history, restoration and performance.

General comments and other skills

- Many overseas assignments were 'disaster areas' (poor service quality, regular equipment failures, client dissatisfaction, etc.) and each time I successfully dealt with the situation and improved the service quality and efficiency
- A 'get it done' type of person, I've successfully dealt with customs importation and exportation problems, labor union issues and labor contracts, lost radioactive sources, explosives shipping (importation, use and disposal), new operating location startups, etc.
- Not fluent, but have learned enough of various languages to converse and deal with people when required (Spanish, Japanese, Arabic, Indonesian, French)
- Generally considered an unofficial computer and network support person by peers and management
- Have installed networks and trained other personnel on computer use and networks
- Have assisted with support of Windows and Solaris systems