

CONSULTANT Profile

Skilled professional with 15 years of experience in electrical and quality engineering for numerous engineering and quality control processes. Expertise in creating detailed test plans and test cases for optimal quality control. Solid background in various testing methodologies for both client-facing and non-client-facing procedures and products.

Experience

Customer Relations

- Monitored customer technical related issues
- Maximized operational efficiency by coaching staff on various customer service initiatives
- Improved employee-customer relations by providing social skills and managerial training to staff.

Analytical Skills

- Oversaw quality assurance initiatives to design and implement products and processes for ongoing projects.
- Ensured optimal productivity and quality assurance initiatives by performing routine maintenance on electrical equipment.
- Review statistics and determine areas requiring enhancement, which includes inspecting samples and formulating improvement policies to meet quality standards.

Organization and Document Management

- Managed CAPA's and Risk assessment analysis, failure Mode and Effect analysis, and forensic investigation of manufacturing and product field failures.
- Wrote procedures and established practices to develop templates and documentation to improve forensic investigation for manufacturing and product field failures.
- Ensured proper documentation of phase deliverables in Products Design History and Technical Files.

Work History

Consultant 01/2009 to Current Company Name City , State

- Conducted product analysis to address products high failure rates, which led to more than 15% decrease in failure rate.
- Provided failure analysis, engineering support, forensic investigation, and statistical data analysis.
- Provided training to staff in leadership, strategic planning, and organizational management.

Electrical Engineer 03/2007 to 11/2008 Company Name

- Provided Systems and Electrical Engineering Support for Government Programs Development.
- Supported vehicle hardware and integration, vehicle systems modeling and analysis, and systems requirements.
- Provided System Integration Design using MIL-STD-1553 interface, EIA RS-422 interface design, USB and Ethernet interfaces.
- Performed Installation, Testing, and verification of Simulators' Audio Visual Systems.
- Developed Vehicle's Software Test Description (STD), Interface Design Description (IDD).
- Developed Interface Cable Systems for vehicles.

Principal Electrical Engineer 04/2005 to 11/2006 Company Name

- Provided Engineering Support of Dialysis Instruments.
- Planned and led project functions.
- Provided project management, failure analysis, and forensic investigation of manufacturing and product field failures.
- Provided expert advise on the Quality Improvement Team (QIT)
- Performed products trend analysis, statistical data analysis calculations of raw data, DFMEAs, and design reviews.
- Managed CAPA's and Risk assessment Analysis.
- Ensured proper documentation of phase deliverables in Products Design History/Technical Files, Technical Summaries, Technical Manuals.
- Wrote Products Test Protocols and Procedures
- Conducted Environmental Tests for product reliability.

Systems Engineer 08/2003 to 11/2004 Company Name

- Implemented test plans, validation protocols, verified code changes, identified and investigated bugs.
- Performed stress tests and assessed product functionality and usability.

Electrical Engineer 10/2001 to 07/2003 Company Name City , State

- Designed power controls distribution and avionics wiring.
- Performed Analysis on Voltage Power System control.

- Designed and developed electrical test equipments.
- Installed and verifiednÂ Simulators' Audio Visual Systems.

Systems Quality Engineer 10/2000 to 10/2001 Company Name City , State

- Wrote and implemented quality control procedures
- Maintained weapon engagement simulation systems.
- Provided Technical Support to manufacturing and Quality control for testing and calibration of laser equipments System
- Designed and developed electrical test fixtures for optical devices.
- Provided Logistical Support and Analysis, Reliability And Maintainability Analysis, Human Factors Analysis.
- Conducted product reliability testing using environmental test chambers.
- Made technical presentations to customers worldwide, whichÂ resulted in several government contracts with US supported Military Contracts with Egypt, Kuwait and Turkey.

Applications Engineer 08/1999 to 09/2000 Company Name City , State

- Improved Character and Graphic LCD displays designs, engineering changes, and customer support, product testing and validation.
- Resolved customers' technical issues, which improvedÂ company's customer relations.
- Resolved customers complaints and concerns.

Project Engineer 07/1995 to 07/1999 Company Name City , State

- Developed test programs, calibration test equipments
- Maintained Automated Test Equipments (ATE)
- Performed failure mode analysis, yield enhancement, statistical process
- Developed and executed test plans, validation protocols, test procedures to support manufacturing lines of medical instruments.

Reliability Engineer 04/1990 to 07/1995 Company Name

- Prepared the Company's Quality and reliability Metrics of all products, safety and hazard analysis, failure mode and effect analysis (FMEA), reliability metrics, and system assurance analysis (SAA)
- Prepared product complaints information reports, medical device reports (MDR).
- Monitored productsÂ reliability, maintainability, and availability.
- Performed System criticality assessment (SCA) on several products
- Analyzed acceptance of incoming material and in-process material, product return information, and product investigations.
- Wrote test procedures and maintained the Quality Control database.
- Executed and troubleshot Reliability Test plans.
- Performed Reliability data analysis and reports distribution.

Education and Training

Bachelor of Science : Electrical Engineering Minor in Computer Science 1997 Northeastern University City , State , USA Electrical Engineering; Minor in Computer

Organization and Management 2011 Capella University City , State , USA Organization and Management

Affiliations

Member, IEEE Computer Society

Member, NEU Alumni Association

Skills

AutoCAD, OrCADD, C, C++,Customer Support, Data Acquisition, Data Analysis, Database, FDA, GMP, Government, Interface Design, Labview, MS Access, MS Excel, MS Power Point, Microsoft Project, Microsoft Visual Basic, Microsoft Windows,Â MS Word, NT, Organizational leadership, Problem solving, Product Development, Procedure Writing, Programming, Project management, Protocols, Quality Improvement, Quality Control, Risk Assessment, Strategic Planning, System Integration, Technical Support,Â Presentations