

**JOHN BEASLEY**  
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**SUMMARY**

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Over 25 years of experience in construction, startup, maintenance, operation and training within fossil and nuclear power plants, petroleum, pharmaceutical, chemical, and Department of Energy (DOE) nuclear facilities. Proficient in information management and regulatory environments, including the development of polices and processes for implementation of regulatory requirements.

Procedure/Courseware Writer	Wrote startup, operation (SOP's), and maintenance procedures for fossil/nuclear power plants, chemical companies, fiber optics, automotive industry, pharmaceutical, and construction. Wrote software user manuals, lesson plans, and computer exercises for custom client applications. Have the ability to take highly technical data and translate it into easy to understand language.
Instructor	Taught classes using Accelerated Learning concepts for power operation, mechanical maintenance, planning, quality control, welding, and new software applications. Certified Instructor for the State of Arizona, the Institute of Nuclear Power Operation, and as an OJT Trainer/Evaluator. Instructed metallurgy four years (part time) at a community college in Phoenix, Arizona.
Instructional Systems Analyst/Designer	Developed training programs for the fossil/nuclear power industry, utilities, Department of Energy, automotive, and other various industries using either the AMT, SAT, ISD, or TSD process. Revised job/task analysis in preparation for maintenance training reaccreditation by the Institute of Nuclear Power Operation (INPO). Applied either ADDIE, Bloom's Taxonomy, Kirkpatrick's Four Levels, or Mager's approach to training and development.
Multimedia Web-Based Training Development	Developed software programs, operations and maintenance multimedia training courses and OJT's using RoboDemo, Adobe Premiere, Sound Forge, and Dreamweaver software. Directed and supervised the production/editing of digital video, audio, and storyboards. Created help standards and authored online help system for custom software applications.
Knowledge and Skill Assessor	Developed and administered classroom maintenance proficiency evaluations. Administered hands-on skill assessments for plant operators and mechanics.
Project Supervision	Provided project supervision and direction for the following: Three trainers/developers for PeopleSoft CIS - Five developers on the Knowledge Delivery System for Florida Power & Light - Six developers on systems training for the Midland Nuclear-to-Combined Cycle Cogeneration conversion - Numerous personnel during initial training and certification.
Quality Control	Certified to Level II in visual inspections of mechanical and electrical installations. Certified to NDE Level II for visual, PT, and MT testing for welded components. AWS Certified Welding Inspector.
Construction/Startup Engineer	Ensured the proper installation of mechanical and welded components during the construction and startup of multiple nuclear power plants.
Software Proficiency	MS SharePoint, PeopleSoft CIS 8.8, Avaya, Lawson, Oracle Reports, Avantis (CMMS), Passport (CMMS), Maximo (CMMS), CHAMPS (CMMS), Vision, MadCap Flare, RoboHelp, RoboDemo, Captivate, Flash, Dreamweaver, Visio, Visual SourceSafe, Adobe Photoshop, Sound Forge, Adobe Premiere, PowerPoint, MS Word, MCI Video Wave, SnagIt, and FullShot.

## TECHNICAL SUMMARY

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- Systematic Approach to Training (SAT)
- Training Systems Development (TSD)
- Job/Task Analysis
- Standard Operating Procedures (SOP)
- 10 CFR 50 Appendix B and Appendix R
- Mechanical & Electrical Procedures
- ASME/ANSI Codes / Specifications
- Engineering Standards and Practices
- 21CFR Part 11 Compliance Practices
- ISO 9000 Program Development
- Expert Led Training (ELT)
- Learning Management System (LMS)
- Document Business Process Flow
- Software Development Life Cycle (SDLC)
- Information Mapping Process
- Graphics Design and Preparation
- Software User Documentation
- Flash / HTML / Web Help System
- Online Quick Reference (OLQR)
- Online Hypertext Information Systems
- Sharable Courseware Object Reference Model (SCORM)
- Application of e-learning methodologies
- OSHA 1910 Process Safety Management
- SharePoint Dashboard Design and Data Management

## EXPERIENCE

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Consolidated Edison– 3/08 to present – East River Power Station, New York, NY – under contract

### **MECHANICAL PROCEDURE WRITER**

- Monitored overhauls, repairs, or replacement of major mechanical equipment and support components for two GE Frame 7FA gas turbines, two HRSG's, and two large capacity steam boilers.
- Observed and documented the GE steam turbine HP and generator rotor removal/replacement for the 2010 fall outage.
- Performed surveillance and documented the economizer steam header replacement in the HRSG due to flow accelerated corrosion (FAC) damage.
- Developed pictorial mechanical procedures and work instructions for the boiler feedwater pumps, reverse osmosis pumps, raw water pumps, treated water pumps, condensate pumps, gas compressors, turbine trip/throttle valve, and HRSG tube repair.
- Developed maintenance standards for bolting/torque, reverse dial indicator alignment, and foreign material exclusion (FME).
- Wrote maintenance administrative directives for contracts, contractor oversight, contract audits, procurement requests, and contractor work scope deviation.
- Wrote a corporate self-assessment procedure that provided a process to perform proactive, self-critical evaluations of work systems, processes, and activities.

### **DOCUMENT MANAGEMENT ANALYST**

- Developed a custom maintenance department information site and dashboard using SharePoint Designer.
- Created libraries, lists, and web pages that contained procedures, vendor manuals, drawings, engineering specs, forms, environmental requirements, admin instructions, and training information.
- Taught end user classes and served as the SharePoint site owner/security administrator for the department.

### **BUSINESS PROCESS ANALYST**

- Conducted interviews to document current maintenance processes/workflows.
- Created process flow documentation and wrote business descriptions which assisted in process redesign.

Industrial Psychologists Inc. – **TRAINING MATERIAL DEVELOPER** – 6/09 to 8/09 – at home development – under contract

- Wrote mechanical maintenance on-the job training modules for a LNG plant in Equatorial Guinea that included: \*Reverse Indicator and Laser Alignment \* Heat Exchangers \* Instrument Tubing \* Reverse Osmosis Pump \* Gaskets \* Mechanical Seals

Washington Group/Bechtel – **SENIOR TRAINING ANALYST/ PROCEDURE WRITER** – 6/07 to 3/08 – Richland, WA – under contract

- Analysis and recommendation of a Mechanical Maintenance training program for the DOE Waste Treatment Project.
- Conducted a mechanical task analysis that provided a task listing, elements, KSA's, and objectives on a component level.
- Wrote maintenance tasks for system components consisting of: \* Pumps \* Valves \* Diesel Engines \* Scrubbers \* Boilers \* Agitators \* Precipitators \* Conveyors \* Cranes \* Manipulators \* Compressors \* Heat Exchangers \*

Las Vegas Valley Water District – 4/02 to 6/07 – Las Vegas, NV – under contract.

PeopleSoft CIS 8.8 Project - **IS TECHNICAL WRITER/TRAINER** - 6/03 to 6/07

- Developed departmental procedures based on the business processes (Customer Service).
- Coordinated information gathering for the purpose of design, development, editing and implementing of departmental user guides, exercises, and job aids.

Lawson Project - **IS TECHNICAL WRITER/TRAINER** - 12/02 to 5/03

- Wrote user manuals for a custom Lawson Employee and Management Self-Service software program (Human Resource).

Avantis CMMS Project - **IS TECHNICAL WRITER/TRAINER** - 4/02 to 11/02

- Performed User Acceptance Testing (UAT) to validate new software and computer system design.
- Delivered classroom training to over 300 end users on custom software applications.
- Developed Program Help files using RoboHelp for the Avantis Computer Maintenance Management System (CMMS).
- Wrote (IS) User Manuals, Lesson Plans, Computer Exercises, and Evaluations for Picklist and Purchase Requisition end user training.

Universal Energy – **TRAINING MANAGER** – 3/01 to 4/02 – Houston, TX – under contract.

- Completed a one-year contract establishing a training/procedure department.
- Wrote training and procedure development proposals that resulted in \$250,000 of additional revenue.
- Completed a General Electric procedure writing project for the 7FA and LM6000 Gas Turbines.
- Assisted in the development/implementation of a Combined Cycle CT Operator training program that included:
  - \* Water Treatment \* G.E. 7FA Gas Turbine \* HRSG \* Balance of Plant

Industrial Resources – **OPERATIONS TRAINING DEVELOPER** – 8/01 to 3/02 – (part time) Biloxi, MS – under contract

- Provided consulting services for PrimeMedia in developing a GE 7FA Combustion Turbine interactive CD.
- Developed a Pacificorp Power (coal-fired) Plant Operator Requalification program that included system descriptions, exams, operating procedures, and job performance measures for the following modules: Coal Handling \* Boiler fuel
  - \* Water Treatment \* Feedwater \* Steam Turbine \* Generator \* Turbine Controls \* Turbine Lube Oil \* Steam System

Florida Power and Light (Fossil Division) – **MULTIMEDIA CONSULTANT** – 1/01 to 3/01 – Juno Beach, FL – under contract.

- Taught fossil and nuclear division training developers in the use of video equipment, writing storyboards, preparing/shooting videos, editing film footage, and using multimedia software to produce operations and maintenance on-the-job training CD's.

Florida Power and Light (Nuclear Division) – **MULTIMEDIA DEVELOPER** – 10/00 to 1/01 – Juno Beach, FL – under contract.

- Converted Plant Access (PAT) and Radiation Controlled Access Training (RCAT) into a multimedia format for Turkey Point and St. Lucie Nuclear Plants. During the process, the training programs were condensed from three classroom training days into one CBT day which resulted in over \$500,000 savings per year.

General Motors – **TRAINING CONSULTANT** – 2/00 to 8/00 – Power Train Division, Bay City, MI – under contract.

- Directed the client in the development of an Operator training program using an Analytical Method of Training (AMT).
- Assisted in writing Overviews, Equipment Descriptions, Controls, Operation, and Troubleshooting modules for the following components: \* Landis Camshaft Grinders \* Nematron Controls \* Alfing \* Supfina Polishers \* Ransohoff Part Washer \* EWAB and Liebherr Conveyors
- Reduced operator training time from one year to three months.

Florida Power and Light (Fossil Division) – **SENIOR TRAINING DEVELOPER** – 1/98 to 11/99 – Juno Beach, FL – under contract.

- Performed task analysis using a Systematic Approach to Training (SAT) method for the power plant maintenance mechanic.
- Developed computer based training storyboards, then used a multimedia program to incorporate wav, bmp, and mpeg files to form the following instructional CD's: \* Valves \* Pumps \* Rigging \* Bearings \* Couplings and Alignment \* Lubrication
- Designed/developed pre-employment maintenance proficiency evaluations (MPEs) using Electric Power Research Institute (EPRI) standards.

Duke/Fluor Daniel – **STARTUP/OPERATION PROCEDURE WRITER** – 5/97 to 12/97 – Charlotte, NC – under contract.

- Developed startup/operation procedures for a coal-fired power plant at Paiton, East Java, Indonesia in the following areas:
  - \* Boiler steam \* Boiler fuel \* Boiler air/gas \* Coal handling \* Ash disposal \* Compressed air \* Instrument/Service air
  - \* Auxiliary steam \* Boiler blowdown \* Flyash handling

Merck Pharmaceutical - **PROCEDURE WRITER** – 11/96 to 4/97 – Pittsburgh, PA – under contract

- Worked with subject matter experts to design a uniform model for engineering documentation in accordance with FDA, 21 CFR Part 11 and SAP implementation requirements including Installation Qualifications (IQ), Operation Qualification (OQ), and Performance Qualification (PQ).
- Wrote 'How To' documentation for engineers, support staff and end users.

Olin Chemical – **MECH. PROCEDURE WRITER** – 4/94 to 9/94, 5/95 to 8/95, and 2/96 to 10/96 – Lake Charles, LA – under contract.

- Developed mechanical instructions and skill checklists for OSHA 1910 (process safety management of highly hazardous chemicals) requirements that included:
  - \* Pumps \* Compressors \* Turbines \* Columns \* Reformers \* Centrifuges \* Agitators \* Valves \* Mixers \* Boilers
- Administered the following skill assessments for plant mechanics and pipefitters:
  - \* Reverse dial indicator alignment \* Pump, compressor, gear box, blower, and turbine overhaul \* Mechanical seal installation \* Piping fabrication and installation \* Valve packing \* Relief valve/rupture disc removal and replacement

Corning Fiber Optics – **MECHANICAL TRAINING DEVELOPER** – 5/95 to 1/96 – Wilmington, NC – under contract

- Developed an Electrical, Instrument & Control, and Mechanical Apprentice training program.

DuPont – **TRAINING DEVELOPER** – 2/95 to 4/95 – Worked at home – under contract

- Developed performance based fundamental self-studies guides for company training in the following:
  - \* Pressure/temperature detectors \* Breakers, disconnects, relays \* Hydraulics \* Laser alignment \* Valve repacking

Destec Energy – **PROCEDURE WRITER** – 1/94 to 2/94 – Houston Corporate Office, TX – under contract

- Used the Information Mapping method to write construction administration procedures for cogeneration projects.
- Produced procedures that reduced reading time, created fewer errors, and ensured faster relearning of material.

Houston Lighting & Power – **SENIOR TRAINING INSTRUCTOR** – 11/92 to 1/94 – South Texas Nuclear Power Plant, TX – under contract

- Provided staff assistance to help resolve an Institute of Nuclear Power Operation (INPO) imposed probationary period.
- Developed and administered classroom and laboratory maintenance proficiency evaluations (MPEs) for competency assessment targeting Journeymen, Apprentices, and outage Contractors.
- Instructed Apprentices in: \* Crane operation \* Bearings \* Mechanical seals \* Fans/blowers \* Heat exchangers \* Pumps

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## ADDITIONAL EMPLOYMENT HISTORY

Florida Power and Light – **SENIOR TRAINING DEVELOPER** – 6/91 to 11/92 – St Lucie Nuclear Power Plant, FL – under contract

U.S. Department of Energy – **SENIOR TRAINING ANALYST** – 10/90 to 4/91 – Rocky Flats Plant, CO – under contract

Nebraska Public Power – **SENIOR TRAINING ANALYST** – 2/90 to 10/90 – Cooper Nuclear Power Plant, NB – under contract

Pacific Gas and Electric – **TRAINING ENGINEER** – 7/89 to 12/89 – Diablo Canyon Nuclear Power Plant, CA – under contract

Fluor Daniel – **TRAINING COORDINATOR/INSTRUCTOR** – 6/88 to 7/89 – Midland Cogeneration Venture, MI – under contract

Portland General Electric - **SENIOR MECHANICAL DEVELOPER** - 5/86 to 3/87 - Trojan Nuclear Power Plant, Oregon - under contract

Commonwealth Edison - **MECHANICAL PROCEDURE WRITER** - 2/88 to 3/88 - LaSalle Nuclear Power Station, Illinois - under contract

Carolina Power and Light - **SENIOR MECHANICAL INSTRUCTOR** - 11/85 to 5/86 - Shearon Harris, North Carolina - under contract

Arizona Public Service - **SENIOR MECHANICAL DEVELOPER** - 9/85 to 9/85 - Palo Verde, Arizona - laid off due to budget cuts

General Electric Corp. - **MECHANICAL TRAINING DEVELOPER** - 5/85 to 9/85 – Joliet, Illinois- under contract

Baldwin Associates - **ELECTRICAL QC INSPECTOR** - 3/85 to 5/85 – Clinton Nuclear Power Plant, Illinois - under contract

Consumers Power - **SENIOR QC INSTRUCTOR** - 2/84 to 7/84 – Midland Nuclear Power Plant, Michigan – under contract

Kaiser Engineering - **TRAINING SUPERVISOR** - 7/83 to 1/84 – Zimmer Nuclear Power Plant, Ohio – under contract

Bechtel Power Corp. - **WELDING ENGINEER** - 1/83 to 7/83 – Midland Nuclear Power Plant, Michigan

Mercury of Norwood - **QC ENGINEER** - 9/82 to 1/83 – Waterford Nuclear Power Plant, Louisiana - under contract

Rio Salado Community College - **WELDING INSTRUCTOR** - 11/78 to 9/82 - Phoenix, Arizona - part time contract

Bechtel Power Corp. - **CONSTRUCTION/STARTUP ENGINEER** - 1/80 to 9/82 - Palo Verde Nuclear Power Plant, Arizona

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## CONTINUED EDUCATION

**OJT Trainer/Evaluator** - course on the requirements and performance leading to trainer/evaluator certification.

**Developing Higher Level Objectives** -course on the function of objectives in the teaching-learning process, the basis for sequencing objectives, and the ability to generate objectives at the higher levels of cognition.

**Accelerated Learning** -workshop in information age learning, preparing the learner to learn, designing AL training courses, creating an optimal learning environment, and mastering the teaching skills of the professionals.

**Teacher Effectiveness Training** - University of Central Florida - class on improving communications, conflict resolution, interaction between teacher and student, indicators of effective teacher-student relationships, and creating a learning portfolio.