

David H. Carroll

Education

- 1999 - University of South Carolina
Masters in Business Administration
- 1987 - University of South Carolina
Bachelor of Science in Chemical Engineering

Professional Experience

August 2007 to Present: SCE&G VC Summer New Nuclear Deployment, Jenkinsville, South Carolina

Engineer: Lead Instruments and Controls (I&C) Engineer on a project to construct two Westinghouse AP1000 designed reactors at the Jenkinsville site. Responsibilities and Projects include:

- ◆ Primary contact for standard plant and site systems with regard to Cyber Security, Telecommunication Systems, Human Factors Engineering, and I&C design.
- ◆ Member of a NuStart I&C Subcommittee for the AP1000 design. Became the Technical Owner of the group in July 2010. This group provides review and operating experience to Westinghouse for use in the design of the AP1000 I&C systems.
- ◆ Worked with a team to design the fiber infrastructure for the Unit 2/3 site.
- ◆ Part of working group that developed the Cyber Security Plan that is being used by all current AP1000 license submittals.

August 2001 to August 2007: SCE&G VC Summer Nuclear Plant Unit 1, Jenkinsville, South Carolina

Engineer: Responsible for maintaining hardware and software used to supply data for the continued safe operation of VC Summer Nuclear station. Responsibilities and Projects included:

- ◆ Lead member of team that replaced old generation Gould plant computer hardware and software with new windows operating system based system in May of 2005.
- ◆ Developed Data Display System to enable easy access to current and historical plant processing data.
- ◆ Acted as Database Administrator for six SQL Server 2000 databases and one SQL Server 2005 database.
- ◆ Troubleshoot issues and help maintain RTP hardware used to monitor plant systems and interface data into the plant computer system.
- ◆ Troubleshoot issues, maintained and upgraded the hardware and software used in the plant and simulator computer systems.
- ◆ Designed, programmed and installed all of the data interfaces from outside sources for the new plant computer system.
- ◆ Created the majority of interfaces that supply data to external systems from the plant computer data.
- ◆ Created Boric Acid Incident tracking program.
- ◆ Computer support for PMAX and Suresense systems.
- ◆ Member of the EPTAC Training committee.

April 1999 to August 2001: SCANA Corporation, Columbia, South Carolina

Senior System Analyst: Responsible for project management for development and implementation of application software in the Human Resources Department to supply internal customers with the information needed to run the company. Also support purchased software packages such as Hrizon, Heidi and Peoplesoft. Projects included:

- ◆ Developed system to provide the corporate accounting system with labor charges from the payroll system using a combination of Powerbuilder and SQL procedures.
- ◆ Member of the team responsible for replacing a mainframe time entry system with a new client/server Powerbuilder application.
- ◆ Acted as Project Leader and Programmer on a project to supply managers with employee information and an electronic approval process through the intranet.
- ◆ Project leader for upgrading Hrizon software to latest version and transitioning the supporting database to MS SQL 7.0 at the same time.
- ◆ Created interface to supply the Ariba purchasing system with employee data.

- ◆ Created program to be used on the corporate voice response system to read job posting information for the company.
- ◆ Member of team to transition HR software from Hrizon 8.0 to Peoplesoft 8.0.

July 1996 to April 1999: AlliedSignal Incorporated, Columbia, South Carolina

Programmer Analyst: Responsible for project management for development and implementation of application software in a manufacturing environment. Most projects involve the use of Microsoft SQL Server for data storage and combinations of Microsoft Access, Visual Basic, and Crystal Reports as customer interfaces and reporting tools. Projects included:

- ◆ Designed system and wrote software to store, print, and download area machine specifications for three different areas in the plant.
- ◆ Converted Textile Nylon yield system from VAX system to MS SQL Server database system.
- ◆ Updated payroll timecard entry system to use PC interface for entry, data checking, and data correction.
- ◆ Created system for customers to electronically enter service requests, track progress, and approve service requests when completed.
- ◆ Developed time tracking system for IS department personnel to help relate time spent on projects to the customer requests for services along with vacations, meetings, etc.
- ◆ Helped develop software used as a menu system to execute all other PC programs from the plant's internal network to ease the implementation of future software.
- ◆ Created system for backing up production MS SQL Server databases automatically and creating a warm backup on the standby machine.
- ◆ Developed software to enable production area to query and find sleeves of yarn previously packaged in boxes.
- ◆ Aided in the development of a system to use RF notebooks to enter operator route readings into the database for storage and query.

August 1991 to July 1996: AlliedSignal Incorporated, Columbia, South Carolina

Process Control Engineer: Responsible for controlling and maintaining product and machine specifications and monitoring of the Nylon 6 process from polymerization through packout. Other responsibilities included:

- ◆ Direct supervision of 2 salaried employees.
- ◆ Worked closely with polymerization and extrusion of Nylon 6 polymer along with the spinning and drawtwisting processes.
- ◆ Converted existing systems and developed new systems to meet ISO 9002 guidelines. Plant certified in January 1994.
- ◆ Trained and certified as an ISO Lead Auditor.
- ◆ One of the first 50 AlliedSignal employees from across the country to complete specialized Six Sigma training in advanced statistical tools targeted at process and product improvement in the plant environment. First project netted improvements in capacity and reduction of downgrades.
- ◆ Developed database storage methods for machine and product specifications.

January 1991 to August 1991: AlliedSignal Incorporated, Columbia, South Carolina

Quality Control Lab Supervisor: Responsible for the testing and grading of lab samples from the entire Columbia Site. Other responsibilities included:

- ◆ Directly supervised 8 employees in the testing of a wide variety of samples in both a polymer chemistry lab and a fiber's lab.
- ◆ Responsible for area safety.
- ◆ Gave final approval for all testing or initiated action for downgrading product.
- ◆ Responsible for maintaining and repairing equipment.
- ◆ Worked to improve test procedures and reduce test variability.
- ◆ Eliminated redundant or unneeded testing.
- ◆ Acted as Area Coordinator for the United Way Campaign.

January 1990 to January 1991: AlliedSignal Incorporated, Columbia, South Carolina

Polymer Area Supervisor: Responsible for operation of a 110 million pound per year polymerization process. Other responsibilities included:

- ◆ Directly supervised 8 employees in a manufacturing area.
- ◆ Coordinated mechanical and electrical repairs to insure continuous flow of product through system.
- ◆ Implemented product lineup changes.
- ◆ Responsible for area safety.
- ◆ Scheduled vacations and overtime for the shift along with the administration of any disciplinary action necessary.

April 1988 to January 1990: AlliedSignal Incorporated, Columbia, South Carolina

Drawtwist Area Supervisor: Responsible for daily operation of the Drawtwist Production Area. Other responsibilities included:

- ◆ Directly supervised 48 employees in a manufacturing environment.
- ◆ Coordinated maintenance for equipment failures.
- ◆ Implemented product lineup changes to control lag of yarn between Spinning and Beaming areas.
- ◆ Responsible for area safety.
- ◆ Scheduled vacations and overtime for the shift along with the administration of any disciplinary action necessary.