

Brian E. Brook

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OBJECTIVE:

I am pursuing a challenging and responsible position with an organization that is committed to the highest standards of quality and responsibility. To apply my technical and analytical skills to a position that requires such characteristics.

QUALIFICATIONS:

As a Metallurgical Technician, my duties include setup and calibration of non-destructive eddy current testing used in process control, preparation of metallurgical samples, hardness testing and micro hardness testing, determining case depth and retained austenite in carburized steel. Determining coating thickness, qualify induction annealer changeovers, delayed fracture testing, chemical titrations, Zinc phosphate chemical titrations, sulfuric acid reclamation plant operation (removal of ferrous sulfate), testing cooling systems for total oil, soluble oil, and tramp oil, grease testing, calibration of lab equipment, hazardous material handling, storage and disposal, assist in troubleshooting and failure analysis and perform special projects as needed. This position requires me to function with a high degree of independence and to make decisions with little or no guidance from management.

At Whitesell Mfg. Inc., I had the responsibility of overseeing the final inspection process of finished products. Test included tensile strength, chemical analysis, corrosion resistance testing, failure analysis, delayed fracture testing and calibration of equipment. I have been on process improvement teams for manufacturing and materials processing.

As a crewmember of two Nuclear Ballistic Missile submarines I learned the value of attention to detail and pride myself in having a solid work ethic that believes in doing the job right the first time. I gained a good understanding of electronics, electrical systems, hydraulics, propulsion systems, life support systems, submarine navigation, and nuclear plant operation. A qualified submariner is required to be able to operate, or assist in the operation of every major system or component on board the ship.

EDUCATION:

1986-1987 Shoals Community College, Pre-Engineering Program
1982-1983 United States Navy, Submarine School, Strategic Weapons Systems "A" School
1981-1982 University of North Alabama, Liberal Arts
1978-1981 Sheffield High School, graduated 1981

CERTIFICATIONS:

Metallurgical preparation of steel samples
Metallurgical inspection of fasteners
A. E. Spectrographic Analysis of Carbon Steel and Non-Ferrous metals

EMPLOYMENT:

Nov 2006- Present Metallurgical Technician, Delphi, Saginaw Steering Systems

Gained experience in a high volume fast paced metallurgical laboratory. Duties include physical testing of alloys, chemical titrations, NDT setup and testing, hazardous material, qualifying induction hardeners and annealers, and documentation of all testing and calibrations.

Jan 2006- Nov 2006 Bulkroom Technician, Omnova Solutions, Genflex Roofing Systems

I was responsible for handling raw materials used in the manufacture of Thermo Plastic Oliphen (TPO), and Polyvinyl Chloride (PVC) commercial roofing systems. Operate and maintain AZO vacuum systems and Katron suspended screw feeder systems used in supplying raw materials for extrusion into a single ply roofing sheet.

Oct 1997- Jan 2006 Parts Sales and Service Advisor, Jim Bishop Toyota

Employed as a service advisor for the service department of Jim Bishop Toyota. Duties include scheduling vehicles for service, writing repair orders, preparing estimates, contacting customers about repairs or services, processing warranty claims, preparing and processing insurance claims, and communicating between service technicians and customers.

1996-1997 Department Head, Wire EDM Department, Southeastern Extrusion and Tool Co.

Organized and supervised production for the wire EDM department with thirteen men, working four shifts. Used engineering blue prints to build extrusion dies for the aluminum extrusion industry. Operated CAD software to program EDM computers for machining dies.

1991-1996 Assistant Quality Assurance Manager, Whitesell Manufacturing Inc.

Responsible for the final inspection of finished O.E.M. fasteners. Supervised the testing laboratory, performed metallurgical inspection of critical application fasteners, performed failure analysis, wrote analysis reports, performed corrosion testing, X-ray plating analysis, tensile testing, spectro chemical analysis of materials, and developed various test procedures. Calibrated and performed maintenance on all equipment used in above testing. Member of Process Improvement teams for heat treat, plating and corrosion protection, automated and manual assembly applications. Complied with ISO 9000 standards.

1990-1991 Assistant Manager, AutoZone Auto Parts,
Responsible for various duties assigned for retail auto parts store operations.

1989-1990 Manager, Carport Auto Parts
Responsible for all aspects of retail auto parts store operations.

1987-1990 Parts Manager / Assistant Manager, AutoZone Auto Parts
Responsible for various duties assigned for retail auto parts store operations.

1982-1986 U. S. Navy, Submarine Quartermaster

Responsible for the safe navigation of the ship during deployment, updated navigation charts, qualified in all duties of quartermaster 3rd class including Quartermaster of the Watch, In-port Duty Quartermaster, In-port Topside Security, Nuclear Weapons Security. Clearance level: Top Secret. Honorable Discharge.