

Brett P. Markley

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Objective

To utilize my skills, education and experience to promote the implementation and advancement of technology.

Employment History

Paragon Technologies Inc., Warren, MI***01/2010 - 06/2010 Senior Robotics Technician***

Tear-down, repair, install, and maintain robots, controllers, computers, software and electronics. Design and build test fixtures for Proteus weld savers, optimization and support of client robotic cell, sourcing of parts and vendors, assist other technicians with repairs, support in-house motor rewind equipment, in-circuit repair of discrete and surface mount component technology.

ABB Inc., Auburn Hills, MI***06/2003 - 10/2009 Senior Electronics/Software Engineer***

Administrate daily repair operations, coordinate personnel and work assignments, provide production and performance tracking of jobs and technicians. Forecast monthly earnings and provide monthly reports and analysis. Assist with warranty tracking, and problem resolution. Facilitate weekly departmental safety talks. Manage and source equipment, supplies, and parts. Design, build, setup, wire, maintain, audit, and repair test equipment and software. Analyze and expand repair capabilities, create documentation, and procedures. Manage, train, and assist repair technicians. Clean, test, repair, and refurbish ABB OEM electronics, and In-circuit repair of discrete and surface mount component technology. Administrate test computers, robot controllers, networking, internal software, customer software creation, firmware, and firmware production. Submission of bug information and change requests to main office. Expand product knowledge through periodic training. Provide technical support for electronics, computers and software. Member of ABB emergency response team, ABB certified for hazardous material manifest.

St-Lawrence-Troy LLC, Madison Heights, MI***10/2001 - 06/2003 Electronics Service Engineer***

Third party repair services, clean, test, and repair circuit boards, computers, welders, power supplies, servo amplifiers, teach pendants, main CPU, EMG modules, and I/O boards from various manufacturers containing both discrete and surface mount technology. Setup, wiring, and troubleshooting of general shop production equipment. Identify, source, order and maintain components and consumable inventory used for repair. Prepared documentation for repairs and test procedures.

FANUC Robotics North America Inc., Rochester Hills, MI***01/1999 - 06/2001 Electronics Service Engineer***

Creation of custom rebuild, refurbishment, repair, preventative maintenance and spare parts support packages. Coordinate customer contact meetings, part orders, part packages, and material planning. Provide interdepartmental communications and data acquisition. Clean, test, and repair power supplies, servo amplifiers, teach pendants, main CPU and EMG modules containing both discrete and surface mount component technology. Engineering support to debug prototype and production robotic cells, software installation, and controller setup and wiring. Prepared documentation for repairs and test procedures. Expand product knowledge through periodic training. Contract employment through Argus & Associates Inc and Epcom Corporation.

Tarus Products Inc., Sterling Heights, MI***08/1997 - 01/1999 Electronics Service Engineer***

Clean, test, repair, assemble, and retrofit prototype/production computers and circuit boards containing both discrete and surface mount component technology. Software and hardware installation and support. Field service support of CNC milling and CMM inspection machines. Cable and wire fabrication, panel wiring, electromechanical setup and repair of machines. Repair of in-house production equipment and computers. Installation and support of in-house network. Organize and maintain component inventory.

Nylok Fasteners, Macomb Twp, MI

01/1996 - 08/1997 Service Technician

Setup, repair, and operate Nylok custom powder-coat machines. Electromechanical setup and repair of induction heaters, vibratory part feeders, conveyor systems, part processing machines. Conduct quality control checks, charting and graphing. Load and unload parts before and after processing. Increased production of machines by engineering part guides, and tooling for process equipment.

Education

ITT Technical Institute, MI

03/1996 - 04/1998 Associate Degree

Major: Computer and Electronics Engineering Technologies

GPA: 3.85

Certificates and Licenses

Electrical Maintenance, ABB Inc., MI

Robot Safety, ABB Inc., MI

R-J3 Electrical Maintenance, FANUC Robotics, MI

P200 Mechanical Rebuild, FANUC Robotics, MI

Skills and Abilities

Apache, Customer Service, Hardware, Programming, Software, Automation, Database, Industrial Controls, Project Management, Technical Support, CNC & CMM, Design, Installation, Repair, Technical Writing, Communications, Electronics, Microsoft/Windows, Rework, Training, Computers, Engineering, Networking, Robotics, Troubleshooting, Content Management , Fabrication & Assembly, Open Source, Schematics, XHTML, CSS, GNU/LINUX, PHP & MYSQL, Servers, XML

Honors and Activities

National Vocational Honor Society

06/1997 – 04/1998

Maintained 4.0 GPA in EET program @ ITT Technical Institute.

Notes / Other Information

I'm eager to secure a position that will utilize my experience, education, and skills. I enjoy learning new technologies, studying engineering publications, designing, fabricating, and implementing solutions. I have experience working with vendors, engineers and customers to provide the best viable solutions for challenging and complex problems.