

Joseph Williamson

Dallas, TX | (123) 456-7890 | jwilliamson@resume-resource.email

Field Service Engineer

Field service engineer with proficiency in design, analysis, testing, engineering processes and procedures, combined with proven expertise in quality control and assurance. Possesses considerable engineering experience in the maintenance, repair and upgrade of capital equipment using advanced troubleshooting, critical thinking, and problem-solving to develop corrective action plans. Demonstrated ability to utilize leadership and training skills to drive team productivity and performance. Traveled domestically and internationally with the flexibility to work extended hours.

AREAS OF EXPERTISE

- Mechanical/Electrical Technician
- Technical Support
- Assembly Automation
- Quality Control/Assurance
- Customer Support
- Robotic Repair Equipment
- Chemical Mechanical Polishing
- Blue Prints & Schematics
- Troubleshooting/Testing
- Industrial PC Configurations

TECHNICAL PROFICIENCIES

Robots: Equipe, PRI, Brooks, Genmark, Hine Design, Asyst

Test Equipment: Digital Multimeters, Oscilloscope, Pull Gauge, Load Cells, Manometer, Power Supplies

Software Operating Systems: DOS, Windows 3.11 for Workgroups, Windows 9X, Windows 2000, Windows NT 4.0, Windows XP, Windows 7-8, Windows 10, Data Recovery on Storage Media

PROFESSIONAL EXPERIENCE

ABC TECHNOLOGY, Dallas, TX

2022 – Present

Field Service Engineer

Provide troubleshooting on complex robotic equipment, including reading and interpreting blueprints, electrical schematics, and specifications. Receive and evaluate Return Merchandise Authorization (RMA) to ascertain labor and parts required to complete customer repair project. Build subassemblies from prints, schematics, and work instructions. Test and calibrate all equipment to ensure product meets OEM standards.

- Owned collection of dated equipment resulting in company saving \$9K using obsolete equipment parts.
- Refurbished robotic equipment saving company revenue and time by remaining in-house for equipment.
- Leveraged expertise in DOS software, industrial PC configurations, jumper settings, and installations of new PC boards to complete complex equipment repairs.

FAMILY COMPANY, Dallas, TX

2015 – 2022

Mechanical/Electrical Technician II & IV

Promoted from mechanical/electrical technician level two to level four. Conducted quality assurance testing of integrated processes and installed customer specific software for IBM, Motorola, and Intel. Delegated duties to team members and confirmed section goals were completed. Selected to cross-train on new assembly equipment and trained employees on new assembly equipment. Diagnosed robotic wafer polishing (chemical mechanical planarization) equipment, including Avanti 776, 5th generation tool.

- Performed troubleshooting onsite and problem resolution for 7-integrated computer systems.
- Selected and accomplished 2-month specialized training in Portland for assembly of new Avanti 776.
- Line lead for assembly equipment section supervising 5-7 team members resolving assembly, wiring equipment, production, and work area issues by collaborating with department managers.

EDUCATION

HIGH-TECH INSTITUTE, Waco, TX

Associates of Arts Degree in Computer Sciences/Electronics