

Sebastian Wilson

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SUMMARY

Energetic Solar Electrician with over four years of hands-on experience in solar PV installation, maintenance, and repair. Expertise in high-voltage electrical systems, detail-oriented compliance with safety protocols, and adherence to NEC codes positions me as a valuable contributor to any project. Collaboration with diverse teams has consistently enhanced system performance while ensuring seamless operations. Proven ability to diagnose and troubleshoot complex electrical issues led to significant time-efficient solutions. Dedication to promoting renewable energy is reflected through continual skill advancement and unwavering commitment to safety. Excited to leverage my skills with GreenTech Solutions.

EXPERIENCE

Solar Electrician

March 2023 - Present

Sunrise Electric

Houston, TX

Serve as a key technician at Sunrise Electric, specializing in installing innovative photovoltaic systems. Responsible for all electrical components, ensuring optimal connections to the electrical grid while maintaining regulatory compliance. Actively engaged in team collaboration for seamless project execution and problem-solving, emphasizing safety practices.

- Lead PV system installations, ensuring strict adherence to all safety standards and regulations.
- Oversee the safe connection of solar component systems to optimize power generation and grid compatibility.
- Perform comprehensive testing for functionality and safety, achieving high success rates on initial inspections.
- Collaborate with cross-functional teams to finalize effective electrical layouts based on blueprints and specifications.
- Diagnose and troubleshoot faults in solar electric systems to improve uptime and reliability.
- Document system performance insights and maintenance findings to provide stakeholders with project updates.

Electrical Technician

January 2021 - February 2023

PowerGrid Solutions

Dallas, TX

Gained extensive experience working in PowerGrid Solutions supporting both residential and commercial electrical projects. Developed an understanding of high-voltage systems, enhancing skills in regulatory compliance and quality workmanship. Collaborated within teams, driving improvements in efficiency and effectiveness during installations.

- Assisted in establishing robust electrical systems underpinned by NEC guidelines and adept safety protocols.
- Conducted rigorous inspections and repairs on various electrical installations to bolster operational integrity.
- Interpreted wiring schematics to ensure alignment with project requirements, ensuring precision delivery.
- Enhanced teamwork dynamics leading to improved project completions and customer satisfaction.
- Participated in progressive training programs to mentor incoming technicians about evolving technologies.
- Facilitated knowledge transfers that reinforced company-wide adherence to essential electrical standards.

Apprentice Electrician

June 2019 - December 2020

BrightFuture Innovations

San Antonio, TX

Executed hands-on responsibilities under seasoned electricians at BrightFuture Innovations, focusing on solar energy setup. Contributed to installation processes and safety checks while actively expanding knowledge on tools and technology crucial for success in the solar sector.

- Installed vital components such as wiring and fixtures for advancing residential solar systems integration.
- Engaged in diagnosing electrical failures while learning practical troubleshooting methods directly from experts.
- Supported routine maintenance tasks ensuring equipment longevity and peak operational state.
- Embraced opportunities for continuous improvement regarding solar technologies while prioritizing workplace efficiency.
- Actively participated in safety dialogues contributing proactive solutions to enhance site conditions.
- Provided thoughtful feedback in team discussions that emphasized overall project objectives.

LEADERSHIP & AWARDS

- NABCEP PV Installation Professional Certification, 2026
- Texas Journeyman Electrician License, 2026

EDUCATION

Certificate in Electrical Technology

2026

Austin Community College GPA: 3.8

Austin, TX

Coursework: *Installation Practices, Circuit Analysis, Safety Protocols, Renewable Energy Technologies*

CERTIFICATIONS

- NABCEP PV Installation Professional 📅 2026
- Journeyman Electrician License, Texas 📅 2026

TECHNICAL SKILLS

- **Electrical Tools:** Multimeter, Circuit Tester, Threading Machine
- **Safety Equipment:** Personal Protective Equipment, Safety Harnesses, Fire Extinguishers
- **Installation Software:** AutoCAD, PV Design Software, Project Management Software
- **Testing Methods:** Continuity Testing, Insulation Resistance Testing, Voltage Testing
- **Electrical Standards:** NEC, IEEE Standards, OSHA Regulations
- **Diagnostics Tools:** Thermal Imaging Camera, Digital Multimeter, Clamp Meters
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Blueprint Interpretation:** Revit, Building Information Modeling Software, SketchUp
- **Renewable Energy Certifications:** OSHA 10, First Aid Certification, NABCEP Certified Installer
- **Project Management Skills:** Agile Methodology, Risk Assessment, Workflow Optimization

SKILLS

- PV Systems Installation
- NEC Code Compliance
- Safety Protocols
- High-Voltage Wiring
- Troubleshooting & Diagnostics
- Electrical Schematics

PROFESSIONAL AFFILIATIONS

- Member of National Electrical Contractors Association (NECA)
- Active participant in Texas Solar Energy Society events.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST