

Austin Jones

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SUMMARY

Experienced SCADA Network Engineer with over three years in industrial automation and SCADA system integration. Deep knowledge in handling industrial communication protocols such as Modbus, CANbus, OPC UA, and DNP3 enhances project execution. Adept at configuring and troubleshooting diverse SCADA systems for renewable energy initiatives. Proven success in working collaboratively with engineering and customer teams to promote seamless data flow across platforms. Self-driven approach coupled with strong analytical and problem-solving capabilities ensure hurdles are met with effective solutions. Excited to leverage this expertise while contributing to innovative projects.

EXPERIENCE

SCADA Network Engineer

June 2023 - Present

Energy Solutions Corp

Newark, NJ

Lead efforts in implementing and supporting SCADA systems for utility-scale energy storage initiatives. This role emphasizes optimizing communications between Battery Energy Storage Systems (BESS) and customer interfaces, positioning the company at the forefront of the renewable energy market.

- Implemented SCADA architectures that ensured seamless communication between BESS systems and client platforms; realized heightened operational efficiency.
- Leveraged protocol analyzers and monitoring tools for diagnosing issues, resulting in enhanced data integrity.
- Worked with cross-functional teams for validating data flows and troubleshooting telemetry issues, culminating in improved performance metrics across projects.
- Documented technical assets including communication mappings and procedures, aiding onboarding efforts for newly onboarded engineers.
- Configured various industrial communication systems including Modbus TCP/IP creating integrated connections among devices.
- Played a crucial part in Factory and Site Acceptance Tests by ensuring operational readiness pre-deployment.

Network Integration Specialist

January 2021 - May 2023

GreenTech Innovations

Austin, TX

Focus centered on integrating SCADA systems within renewable energy frameworks. The engagement supported successful deployments through collaborative problem-solving and streamlined workflows across both operational and service teams.

- Cultivated partnerships for integrating SCADA frameworks with cutting-edge renewable energy solutions by focusing on critical networking operations.
- Coordinated vital communications between Energy Management System (EMS) platforms and utility-operated SCADA systems, effectively reducing integration duration.
- Utilized Wireshark extensively for packet-level analysis, enhancing system diagnostic precision.
- Engaged in configurations across both Linux and Windows operating environments to heighten response times in troubleshooting efforts.
- Developed rich training materials, conducting sessions that bolstered team understanding and capabilities regarding SCADA technologies.
- Championed cybersecurity initiatives, ensuring Compliant OSC security practices within Operational Technology (OT) infrastructures.

Junior SCADA Engineer

June 2019 - December 2020

GreenField Technologies

Denver, CO

Initially contributed to substantial SCADA system deployments and ongoing maintenance. Gained proficiency in troubleshooting and developing documentation, principally around communication protocol utilization.

- Contributed to deploying mission-critical SCADA systems adhering to rigorous protocol standards for industrial projects.
- Assisted with real-time troubleshooting regarding network performance leveraging registries and simulators.
- Engaged actively in crafting user-readable documentation serving as guides for field personnel.
- Partook in pivotal projects where hands-on experience emerged with leading SCADA platforms like Ignition and AVEVA.
- Collaborated with multidisciplinary teams providing rich insights on project developments and tackling technical challenges.
- Grew commendable scripting aptitude using Python, amplifying productivity measurement via automated routine analyses.

LEADERSHIP & AWARDS

- Certified SCADA Security Architect (CSSA), 2026
- AWS Certified Solutions Architect, 2026

EDUCATION

Bachelor's Degree in Computer Engineering

2026

University of California, Berkeley GPA: 3.8

Berkeley, CA

Coursework: Data Structures, Digital Systems, Embedded Programming, Communication Protocols

CERTIFICATIONS

- Certified SCADA Security Architect (CSSA) 📅 2026
- AWS Certified Solutions Architect 📅 2026

TECHNICAL SKILLS

- **Industrial Communications:** Modbus, OPC UA, DNP3, IEC 61850
- **Troubleshooting Tools:** Wireshark, Protocol Analyzers, Packet Captures
- **SCADA Platforms:** Ignition, AVEVA PI System
- **Networking Concepts:** Ethernet, MQTT, RS-485
- **Operating Systems:** Linux, Windows
- **Safety Standards:** API, ANSI
- **Testing Methodologies:** Factory Acceptance Testing, Site Acceptance Testing
- **Data Acquisition Systems:** Telemetry, Data Logging
- **Security Best Practices:** OT Security, Cyber Defense Standards
- **Project Management Tools:** Trello, JIRA, Asana

SKILLS

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|--------------------------------------|---------------------------|------------------------------|----------------------------|
| • SCADA Integration | • Data Management | • Telemetry Validation | • Cross-Team Collaboration |
| • Industrial Communication Protocols | • Technical Documentation | • Data Flow Optimization | • Problem Diagnosis |
| • Network Troubleshooting | • Cybersecurity Practices | • Factory Acceptance Testing | • Process Streamlining |
| • Linux Systems | • BESS Support | • Communications Mapping | |

PROFESSIONAL AFFILIATIONS

- Member, American Society of Mechanical Engineers (ASME)
- Volunteer, Renewable Energy Group

LANGUAGES

- English (Native) • Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST