

# Myles Agarwal

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## SUMMARY

Dedicated ASR-9 Network Engineer with over 5 years in radar systems and network engineering, bringing a passion for innovation and performance enhancement. Expertise includes troubleshooting radar systems, executing critical upgrades, and developing detailed technical documentation. Strong collaborative skills fostered through working alongside cross-functional teams, ensuring operational efficiency and high-quality service delivery. Proficient in utilizing advanced tools for data analysis and problem resolution, committed to continuous improvement in dynamic environments. Eager to leverage experience at ETKS, contributing to cutting-edge solutions for the Airport Surveillance Radar team.

## EXPERIENCE

### Network Engineer

January 2023 - Present

AeroTech Innovations

Fort Wayne, IN

Directly support radar systems through 2nd Level engineering, focusing on sustaining peak performance and refining existing system functionalities. Collaborates effectively with field technicians during nationwide site visits.

- Managed system upgrades to improve ASR-9 operational capabilities while minimizing downtime.
- Produced extensive technical documentation, optimizing maintenance protocols for operational teams.
- Utilized advanced radar data analysis techniques to diagnose and resolve complex operational issues.
- Trained and guided fellow engineers, fostering knowledge sharing and collaboration.
- Participated actively in lifecycle reviews to comply with operational requirements.
- Enhancement of user manuals led to improved navigational clarity for end users.

### Systems Tester

June 2021 - December 2022

SkyRadar Solutions

Evansville, IN

Supported radar system testing and modifications as part of quality assurance efforts. Integrated collaborative strategies with engineering teams to enhance system design and functionality.

- Executed comprehensive testing plans for radar systems ensuring adherence to federal standards.
- Facilitated collaborative design sessions for system modifications, incorporating a range of engineering perspectives.
- Applied critical analytical approaches that enhanced system performance assessments.
- Led efforts in feasibility studies, providing meaningful cost analyses impacting future project decisions.
- Built strong relationships with external vendors to streamline prototype manufacturing processes.
- Mentored junior team members by sharing best practices in both testing and documentation efforts.

### Junior Network Engineer

March 2019 - May 2021

TechWave Dynamics

South Bend, IN

Supported our engineering team in various measures to maintain optimal performance of radar systems. Involved in critical projects that focused on installation and documentation for new systems.

- Conducted thorough preliminary data analyses, pinpointing key issues affecting system reliability.
- Assisted in preparing installation and test procedures, informing successful system launches.
- Engaged in technical reviews, providing valuable input on operational improvements across teams.
- Created user manuals which decreased response time to queries from operators.
- Collaborated closely with interdisciplinary teams to ensure readiness for field deployments.
- Participated in hands-on troubleshooting sessions to resolve operations quickly.

## LEADERSHIP & AWARDS

- Certified Radar Systems Engineer - 2022
- Fundamentals of Radar Technology - 2021

## EDUCATION

### Bachelor's Degree in Engineering

2019

University of Indiana GPA: 3.6

Indianapolis, IN

**Coursework:** Computer Science, Systems Engineering, Project Management, Mathematics

## CERTIFICATIONS

- Certified Radar Systems Engineer  2022

- Fundamentals of Radar Technology 📅 2021

## TECHNICAL SKILLS

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- **Radar System Tools:** AutoCAD, Wireshark, TeraTerm
- **Testing Software:** RRAP, GPS-PV, WRTADS
- **Analysis Tools:** MATLAB, Simulink, Python
- **Documentation Platforms:** Confluence, SharePoint, MS Word
- **Simulation Technologies:** MATLAB, Simulink, ModelSim
- **Data Management Systems:** ORACLE, MySQL, PostgreSQL
- **Networking Protocols:** TCP/IP, UDP, DHCP
- **Compliance Standards:** DO-160, RTCA/DO-178C, FCC
- **Configuration Management:** Git, SVN, Perforce
- **Cloud Services:** AWS, Azure, Google Cloud

## SKILLS

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- Radar Systems Engineering
- Data Analysis
- Technical Documentation
- Troubleshooting
- Network Traffic Analysis
- Software Simulation Tools
- Project Management
- Team Collaboration
- Maintenance Procedures
- Operational Readiness
- Problem Resolution
- Calibration Techniques
- Feasibility Studies
- Cost Analysis
- Upgrade Implementation

## PROFESSIONAL AFFILIATIONS

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- Member of IEEE Radar Council
- Active contributor to local engineering workshops

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST