

# Myles Agarwal

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## SUMMARY

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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 EVTKS, contributing to cutting-edge solutions for the Airport Surveillance Radar team.

## EXPERIENCE

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### 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

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

## EDUCATION

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### Bachelor's Degree in Engineering

2019

University of Indiana GPA: 3.6

*Indianapolis, IN*

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

## CERTIFICATIONS

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- 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