

Aria Heath

System Integration Lead, Manufacturing Test Systems

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SUMMARY

Technical program professional with experience coordinating system integration, **manufacturing test programs**, stress testing, calibration planning, validation activities, and product readiness for consumer hardware. Leads hardware and software stakeholders through technical requirements, execution milestones, issue reviews, and decisions that support quality focused manufacturing outcomes. Applies **software fundamentals** and systems knowledge when translating engineering needs into practical plans, organized test efforts, and clear program documentation. Builds alignment across multifunctional teams through thoughtful communication and steady follow through. Recent work includes **system integration planning**, manufacturing test coordination, data review workflows, calibration activities, and delivery tracking in **complex product development environments**. Ready to contribute a calm, structured approach that helps engineering teams move from requirements through validation and manufacturing readiness.

EXPERIENCE

Technical Program Manager, System Integration

Evergreen Product Systems 📅 March 2021 - Present 📍 Cupertino, CA

Leads system integration planning and technical program execution for manufacturing test initiatives supporting complex hardware products. Coordinates hardware and software stakeholders across validation, calibration, stress testing, documentation, and manufacturing readiness work. Maintains delivery alignment through clear requirements, practical milestones, issue reviews, and decisions that protect product quality.

- Led system integration planning for **manufacturing tests** supporting complex **consumer hardware products**.
- Coordinated multifunctional engineering teams through validation milestones and calibration planning activities.
- Tracked technical requirements across hardware and software teams, keeping delivery decisions visible.
- Organized stress testing data reviews, giving engineering teams a clear path for issue resolution.
- Created **program documentation** that improved communication between **engineering and operations groups**.
- Facilitated **cross functional decisions** supporting **manufacturing readiness** and product quality goals.

PROJECTS

Manufacturing Test Readiness Program 📅 2025

A focused readiness effort connected test execution, calibration planning, stress testing, and validation reviews. Small process details mattered. Clear ownership helped engineering partners move forward with greater confidence.

Integrated Systems Validation Framework 📅 2024

This initiative brought technical requirements and validation milestones into one practical view. Careful coordination made quieter risks easier to surface, discuss, and resolve before manufacturing decisions.

LEADERSHIP & AWARDS

- Recognized by engineering partners for steady coordination during complex validation milestones.
- Selected to facilitate cross functional decisions supporting manufacturing readiness and product quality.

EDUCATION

Bachelor of Science in Computer Engineering

San Jose State University 🎓 GPA: 3.5 📅 2020 📍 San Jose, CA

Coursework: *Software fundamentals, systems engineering, manufacturing processes, product validation*

CERTIFICATIONS

- Certified ScrumMaster 📅 2022
- Manufacturing Test Systems Certificate 📅 2023

TECHNICAL SKILLS

- **System Integration:** Integrated systems, system validation, interface coordination
- **Manufacturing Testing:** Manufacturing tests, test execution, production readiness
- **Validation Methods:** Product validation, system validation, acceptance testing
- **Stress Testing:** Stress testing, reliability testing, data reviews
- **Calibration Processes:** Calibration planning, calibration workflows, test calibration
- **Program Management:** Technical program management, milestone tracking, delivery planning

- **Software Fundamentals:** Software fundamentals, requirements traceability, issue workflows
- **Engineering Systems:** Hardware systems, software systems, integrated systems
- **Quality Operations:** Product quality, quality reviews, manufacturing readiness
- **Communication Tools:** Program documentation, stakeholder updates, decision records

SKILLS

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|--------------------------------|------------------------|-------------------------------|-----------------------------|
| • System Integration | • Product Validation | • Technical Requirements | • Integrated Systems |
| • Technical Program Management | • Stress Testing | • Cross Functional Leadership | • Test Execution |
| • Manufacturing Tests | • Calibration Planning | • Product Quality | • Engineering Communication |
| • Software Fundamentals | • System Validation | • Manufacturing Readiness | |

PROFESSIONAL AFFILIATIONS

- Association for Computing Machinery, professional member focused on systems and software practice.
- Project Management Institute, professional member supporting disciplined technical program delivery.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST