

JOSEPH A. COOK

Barrington, IL.
www.linkedin.com/in/joecook143

847.606.9368
joe.cook143@gmail.com

SOLUTIONS-DRIVEN ENGINEERING SUPPORT TEST, ASSET, AND LAB RESOURCE DEVELOPER/MANAGER

Resolve Process Issues while improving efficiencies, quality, and controlling costs

Broad background in product development engineering support management, including expert skills in RF Hardware Parametric Testing, Asset Management, and Comprehensive Lab Management. Demonstrated expertise in overseeing Automatic Test Engineering (ATE) team's development of design verification solutions for RF Parametric and EMC requirements, hands-on RF and Audio Test development, ensuring complete ISO9000 Asset Management solutions in multidisciplinary engineering groups, comprehensive Lab Management including lab maintenance, design, and relocations, and linking requirements to deliverables.

**Test Engineering | Design Validation | Metrology | Facilitation Design | Design & Process
Documentation | Self Driven | Excellent Communicator**

TECHNICAL SKILLS

- MS Office (Word, Excel, PowerPoint, Access), Google WORK Suite (Sheets, Doc, Slides, Drive)
- HTBASIC, C/C++, LabVIEW
- SQL, MS SQL Server Manager, IntraStage
- UNIX, MS WINDOWS (3.1 - WIN10), WIN Server 2008
- VISIO, Smart Draw, Mentor Graphics
- Primavera, MS Project, Minitab

PROFESSIONAL EXPERIENCE

Motorola Solutions, Schaumburg, Illinois

Engineering Section Manager

2000 - 2015

Completely responsible for multiple roles in areas of Automatic Test Engineering (ATE) Section Manager, Asset Manager, and Lab and Facility oversight as well as individual contributions leading to complete diverse skill set supporting Product Development Engineering. Completing every required project of 15-year program on schedule. Received numerous recognition awards.

Test Section Manager

- Effectively managed Auto Test Engineering (ATE) Team test solution deliverables on-time for large engineering department, supporting rapid prototyping and new product certifications by creating plans and setting goals, tracking issues, and prioritizing problem resolution to completion.
 - Developed RF and audio parametric automated testing hardware and software, supporting new product versions and designs.
 - Instituted test quality correlation processes, ensuring performance in measurement accuracy and creation of operation processes to support major ATE systems for ISO 9000.
 - Implemented IntraStage, a turnkey web-based database application improving Automatic Test Data Management, quality, and efficiency.
 - Oversaw the implementation of Auto Test Radio Tracking web-based Database application improving test system input, quality, and loading efficiency.

- Instituted GPS 10 MHZ Reference Distribution system utilizing network infrastructure, efficiently delivering signal to any LAN connector resulting in quality low-profile distribution system.
- Managed Engineering IT Group for large development department, supporting computer technology transitions, Engineering tools, and IT governance.

Asset Manager

- Spearheaded Test Equipment Metrology (calibration and repair) and management (processes, records, audits, and inventory control) for large engineering group supporting quality directives such as ISO 9000.
 - Instituted on-site metrology services, supporting efficient test equipment calibration and cost savings.
 - Directed migration and consolidation of internal asset databases to preferred supplier database, improving asset management efficiencies.
- Managed, proactively, departmental capital, expense, and rental/lease procurement for large multi-disciplinary engineering group by gathering and reviewing requirements, justifying expenses, procuring, and tracking.
- Conserved \$1M+ through negotiating cost saving opportunities with suppliers, internal equipment transfers, and reselling opportunities reducing and/or eliminating the need to purchase new capital.
- Engaged reuse with peer ATE teams, leveraging test system HW and SW, reducing system deployment by factor of 4.
 - Instrumental in corporate-wide Test Equipment Sharing efforts to leverage idle asset utilization, resulting in minimized downtime and reduced cost.

Lab Facilitator Manager

- Functioned instrumentally in design and project management activities of engineering test lab builds and renovations such as state-of-the-art Acoustic Lab, RF Antenna Test Lab, and periodic laboratory renovations, supporting growth and cycle time efficiencies.
- Collaborated with architects and product, facilitation, mechanical, and employee health-safety engineers, resolving facilitation issues with new lab build-outs, lab renovations, and governance.
- Established and standardized requirements for Engineering Cubical and Bench integration, resulting in space and productivity optimization.
- Played key role in design and oversaw large Product Group relocation efforts on 2 separate occasions including major labs, heavy equipment, and personnel, as well as periodic internal relocations, sustaining business.

Motorola Inc., Schaumburg, Rolling Meadows, Illinois

Prior to 2000

Previous work experience served in a variety of increasingly responsible technical roles in manufacturing, development engineering, and automated testing.

EDUCATION

Bachelor of Science (BS) in Computer Science (Honors), Roosevelt University, Chicago, Illinois
 Electronic Technician Degree DeVry Technical Institute, Chicago, Illinois

RECOGNITION AND PROFESSIONAL DEVELOPMENT

White Paper - [Speeding Time-to-Market at Motorola](#) Cook J., *IntraStage*

Patents - Invention Award - Radio Automated Test System Utilizing Robotic Control Sub-System

Awards - Numerous employee recognition awards

MERT - Motorola Emergency Response Team volunteer

Six Sigma, DFSS, UNIX Admin, Effective Management, Coaching, Dealing with Diverse People, Ethics, Equal Opportunity, Safety, ESD Controls, Data Security, OSHA, EHS
Created engineering training slideshow to support ISO9000 calibration

ADDITIONAL SKILLS

Project Management - Managed multiple projects with over 10 years of experience dedicated to new product development.

Design Validation - Product Test requirements, Performance specifications management, Test plan creation and verification, Test summaries, and Failure analysis.

Compliance Engineering - TIA/EIA, ETSI, EMC/EMI FCC part 15/EN 61000-2,3

Pre-compliance testing on RF, Audio, Electrical, Mechanical, regulatory, Thermal and Environmental.

Test System Integrator - Design and integrate test solutions for manufacturing and product development engineering, subassembly and final assembly levels using HTBASIC, C and LabVIEW programming for Instrument Control over IEE488, USB, RS232, and TCP/IP.