



The Philadelphia Inquirer

Rajant Corporation is a 2024 Top Workplace!
4 Years Running



Hardware Engineering Manager Malvern, PA | Full-Time | Onsite

Lead Hardware Innovation in Mission-Critical Wireless Networking

RAJANT CORPORATION is the global leader and pioneer of patented **Kinetic Mesh®** networking, powering mission-critical connectivity for autonomous systems, industrial operations, defense, mining, manufacturing, energy, logistics, and other demanding environments worldwide.

For more than 25 years, Rajant has helped organizations connect people, machines, assets, and data through its **Mesh-Over-Everything™** architecture and distributed edge computing platform.

Together with its subsidiary, **Rajant Health Incorporated (RHI)**, Rajant is advancing Industrial AI, automation, mobility, and real-time operational intelligence—bringing resilient connectivity wherever people, machines, and data move.

POSITION OVERVIEW: Rajant is seeking a **Hardware Engineering Manager** to lead our multidisciplinary hardware organization. This high-impact leadership role is responsible for driving Electrical Engineering, PCB Design & Layout, and Mechanical Engineering in the development of rugged, high-performance wireless networking products used in mining, military, industrial automation, and other demanding environments worldwide.

We are looking for a technical leader who can balance strategic direction with hands-on hardware expertise and thrive in a fast-paced product development environment.

KEY RESPONSIBILITIES:

Lead & Scale the Hardware Organization

- Manage Electrical Engineering, PCB Design/Layout, and Mechanical Engineering teams
- Build, mentor, and develop high-performing engineering leaders and contributors
- Establish design standards, best practices, and scalable development processes
- Align hardware strategy with product roadmap and company objectives

Drive Hardware Architecture & Execution

- Oversee high-speed digital, mixed-signal, RF-integrated, and power system designs
- Ensure robust PCB stack-ups, signal integrity, EMI/EMC compliance, and DFM/DFA practices
- Lead ruggedized mechanical design including thermal management and environmental protection
- Guide hardware programs from concept through EVT/DVT/PVT into production

Cross-Functional & Operational Leadership

- Partner with Product Management, Firmware/Software, Operations, and Supply Chain
- Support regulatory compliance (FCC, CE, MIL-STD, etc.)
- Manage risk, schedules, and budgets
- Oversee supplier engagement and component lifecycle management

REQUIRED QUALIFICATIONS:

- Bachelor's degree in Electrical Engineering or a related discipline.
- 6+ years of hardware engineering experience.
- 5+ years leading multidisciplinary engineering teams.
- Experience developing complex hardware products from concept through production.
- Strong knowledge of high-speed digital, mixed-signal, PCB, and ruggedized hardware design.
- Excellent leadership, communication, and collaboration skills.



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PREFERRED QUALIFICATIONS:

- Wireless networking, RF systems, or industrial/military hardware
- Industrial, defense, or other ruggedized hardware experience.
- Experience working with global manufacturing partners.
- Advanced technical degree or MBA.

TECH SNAPSHOT:

Engineering	Core Technologies	Development	Manufacturing
Electrical Engineering	High-Speed Digital	EVT/DVT/PVT	FCC/CE
PCB Design	Mixed Signal	DFM/DFA	MIL-STD
Mechanical Engineering	RF Integration	Signal Integrity	Supplier Mgmt.
Thermal Design	Power Systems	EMI/EMC	Product Lifecycle

WHY JOIN RAJANT?

- Build industry-leading Kinetic Mesh® technology deployed worldwide.
- Solve complex engineering challenges with a collaborative team.
- Develop technology powering autonomous and mission-critical operations.
- Make a direct impact across defense, mining, manufacturing, logistics, energy, healthcare, and other critical industries.
- Grow your career while working with cutting-edge AI and intelligent edge technologies.

RAJANT’S COMPANY PROFILE: www.rajant.com

Our patented InstaMesh Kinetic Mesh technology powers mission-critical operations around the world:

- Autonomous mining equipment across global sites.
- Robotics in factories and warehouses automating repetitive and dangerous tasks.
- Boston Dynamics' Spot® the Robot Dog and various aerial drones.
- Oil and Gas connectivity and Maritime Port automation worldwide.
- Mission-critical communication systems trusted by the U.S. Army to keep America and our Global partners safe.

READY TO BUILD WHAT’S NEXT?

Build technology that makes a real-world impact. Apply Today.

Reports to: VP of Technology. **Employment Type:** Full-Time - Regular. **Location:** Malvern, PA. (Onsite).

Apply: Introduce yourself w/ cover letter & resume to: jointheteam@rajant.com.

Rajant Corporation is an Equal Opportunity Employer and does not discriminate on the basis of race, color, religion, gender, national origin, age, physical or mental impairment, sexual orientation or any other category protected under federal, state or local law. Rajant is a USG Contractor and complies with all US laws, regulations and Executive Orders.