



Systems Engineer (Rack & Product Integration)

Release Date: June 24, 2026

Position

- Systems Engineer (Rack Integration & Product Deployment)
- Hardware Engineering
- Reports To: VP of Hardware Engineering
- FLSA Status: Exempt
- Term: Full-Time
- Compensation: \$95,000 to \$120,000 per year
- Telecommuting: Hybrid

Position Summary

We are seeking a highly motivated and experienced Systems Engineer to lead the design, integration, and deployment of complex rack-mounted systems utilizing both Commercial Off-The-Shelf (COTS) and custom-designed hardware. This role requires a strong technical background in system architecture, rack integration, electrical and mechanical system design, production support, and customer-facing engineering activities.

The ideal candidate possesses strong leadership skills, takes ownership of projects from concept through deployment, and has experience working within industrial and high-availability environments. This individual will work cross-functionally with Hardware Engineering, Mechanical Engineering, Manufacturing, Supply Chain, Quality, and Customer Support teams to deliver robust, production-ready solutions that meet customer requirements.

Key Responsibilities

System Design & Integration

- Design and develop complex rack-mounted systems incorporating custom and COTS hardware, networking equipment, power distribution, embedded systems, servers, storage devices, and communication equipment.
- Create system-level architectures, integration plans, and installation documentation.
- Develop rack layouts, mechanical assembly drawings, cable routing plans, and power distribution schemes.
- Evaluate and select system components based on performance, reliability, environmental, regulatory, and cost requirements.
- Ensure system designs comply with applicable industry standards and customer specifications.



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- Perform system-level trade studies and technology evaluations to support new product development.

Product Development & Ownership

- Lead system development activities from concept through production release.
- Manage technical scope, schedules, risks, and deliverables for assigned projects.
- Collaborate with engineering teams to ensure subsystem compatibility and successful system integration.
- Drive design reviews and coordinate technical decisions across multiple disciplines.
- Support prototype builds, system verification testing, and product qualification efforts.
- Understanding of reliability engineering and maintainability principles.
- Familiarity with CAD tools for rack layouts and system documentation.

Bill of Materials (BOM) & Configuration Management

- Create and maintain detailed system Bills of Material (BOMs).
- Manage product configurations within ERP/MRP systems.
- Support Engineering Change Orders (ECOs), Engineering Change Notices (ECNs), and product lifecycle management processes.
- Ensure documentation packages are complete, accurate, and released according to company procedures.
- Maintain revision control and configuration integrity throughout the product lifecycle.

Production & Manufacturing Support

- Provide technical support to manufacturing and production teams.
- Develop assembly procedures, wiring instructions, test procedures, and manufacturing documentation.
- Assist with troubleshooting production issues and implementing corrective actions.
- Support first article inspections, product releases, and production readiness reviews.
- Participate in continuous improvement initiatives to improve product quality, manufacturability, and cost.

System Wiring & Installation

- Design and document rack wiring, cable assemblies, power distribution, and grounding schemes.
- Develop interconnect diagrams, wiring schedules, and installation packages.
- Support onsite system installations, upgrades, and commissioning activities.
- Assist customers and field personnel with system integration and troubleshooting.
- Knowledge of power distribution systems, UPS systems, grounding, and EMI/EMC considerations.



Customer & Field Support

- Interface directly with customers to gather requirements and develop technical solutions.
- Participate in technical reviews, customer meetings, and design presentations.
- Support customer acceptance testing, deployment activities, and issue resolution.
- Travel to customer locations as required for installations, troubleshooting, and project support.

Leadership & Mentoring

- Provide technical leadership for system integration projects.
- Lead cross-functional project teams and drive project execution.
- Promote engineering best practices, documentation standards, and process improvements.

Required Qualifications

Education

- Bachelor's degree in Electrical Engineering, Systems Engineering, Mechanical Engineering, Computer Engineering, or related technical discipline.
- Minimum 5 years of experience in systems engineering, system integration, or rack-level product design.

Travel Requirements

- Ability to travel up to 10% as required for customer support, installations, and project activities.

Contact

To submit your resume or for further information e-mail employment@sunhillo.com. Alternatively, you may mail your resume to the following address. Remember to identify the position you are applying for.

Human Resources
Sunhillo Corporation
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