

Senior Rail Systems Engineer

Position Summary

BW SOFTWARE US CORP is seeking a **Senior Rail Systems Engineer** to support the planning, design, integration, and delivery of rail and transit infrastructure projects. The successful candidate will provide technical leadership throughout the systems engineering lifecycle while working collaboratively with multidisciplinary engineering teams, clients, contractors, and stakeholders.

Key Responsibilities

- Lead systems engineering activities throughout project planning, design, construction, testing, and commissioning.
- Develop, review, and manage system requirements and technical documentation. • Coordinate systems integration and interface management across multiple engineering disciplines.
- Review engineering design packages to ensure compliance with project requirements and industry standards.
- Support design reviews, technical workshops, and multidisciplinary coordination meetings.
- Identify technical risks and recommend practical solutions.
- Support verification, validation, testing, and commissioning activities. • Review contractor submittals and provide technical recommendations. • Prepare technical reports, presentations, and engineering documentation. • Mentor junior engineers and provide technical guidance when required.

Preferred Technical Experience

Experience supporting one or more of the following systems:

- Rail Systems Engineering
- Communications Systems
- Systems Integration
- Fiber Optic Networks
- CCTV Systems
- Public Address Systems
- Passenger Information Display Systems (PIDS)
- SCADA Systems
- Access Control Systems
- Operational Technology (OT)
- Network Infrastructure

- Interface Management
- Requirements Management

Minimum Qualifications

- Bachelor's degree in Systems Engineering, Electrical Engineering, Computer Engineering, Computer Science, or a related engineering discipline.
- **10+ years** of professional systems engineering experience.
- Experience supporting rail, transit, transportation, or major infrastructure projects.
- Strong understanding of systems engineering principles and multidisciplinary coordination.
- Excellent written and verbal communication skills.

Preferred Qualifications

- Experience with Light Rail Transit (LRT), Heavy Rail, Commuter Rail, or Bus Rapid Transit (BRT) projects.
- Knowledge of systems integration, requirements management, and verification & validation.
- Experience supporting public agencies, engineering consultants, or transportation infrastructure programs.
- Professional certifications such as **INCOSE CSEP**, **PMP**, or **PE** are desirable.

Employment Type: Fixed-Term W-2 Employee

Contract Duration: One (1) Year, Renewable based on project requirements, client funding, business needs, and employee performance.

Work Arrangement: Hybrid (Client Site / Remote / BW SOFTWARE US CORP Office)

Location: Washington State

Why Join BW SOFTWARE US CORP

BW SOFTWARE US CORP provides professional consulting services supporting transportation, infrastructure, and digital delivery programs. We offer the opportunity to contribute to high-impact public infrastructure projects while working alongside multidisciplinary engineering teams in a collaborative and innovative environment.