



Innovative Wireless Technologies, Inc. Job Description

Job Title: Senior Digital Technical Lead

Department: Engineering

Job Category: Full time, Exempt

Description

Innovative Wireless Technologies (IWT) is seeking an experienced **Senior Digital Technical Lead** to provide technical leadership for next-generation Analytics platform. This individual will lead the technical execution of our digital initiatives, working closely with Product Management to translate customer needs into scalable, enterprise-grade software solutions.

The ideal candidate combines strong software architecture, technical leadership, and business acumen with the ability to mentor engineers, coordinate cross-functional development efforts, and drive execution across modern cloud-based analytics platforms. This role requires sound engineering judgment, balancing customer needs, business priorities, AI innovation, technical excellence, cost, schedule, cybersecurity, and long-term platform sustainability to deliver enterprise-quality software.

Key Responsibilities:

- Serve as the technical authority for the APM Analytics platform, defining the technical vision and roadmap in partnership with Product Management.
 - Partner closely with Product Management to translate customer and market requirements into technical architecture, product capabilities, engineering priorities, and release plans.
 - Lead the design and development of scalable, secure, cloud-native software solutions.
 - Make sound technical trade-off decisions by balancing functionality, scalability, security, performance, maintainability, cost, schedule, and long-term product strategy.
 - Evaluate architectural alternatives and drive decisions on technology selection, build-versus-buy, cloud services, AI adoption, and third-party integrations.
 - Coordinate, prioritize, and assign work across software engineers while mentoring the team through architecture reviews, code reviews, technical coaching, and engineering best practices.
 - Drive software architecture involving cloud services, APIs, databases, microservices, event-driven systems, AI/ML integration, and enterprise data platforms.
 - Collaborate with systems, embedded software, hardware, and application software teams to integrate real-time operational data from connected devices into enterprise software platforms.
 - Lead technical discussions with customers and strategic partners, translating operational challenges into innovative digital solutions.
 - Ensure technical decisions align with customer value, business objectives, product strategy, and long-term platform success.
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- Champion modern AI-assisted software development practices while establishing engineering guardrails, coding standards, and review processes that ensure enterprise-quality, secure, and maintainable software.
- Evaluate emerging technologies and AI development tools to improve engineering productivity while ensuring all software is validated through sound engineering practices, testing, and peer review.
- Foster a culture of engineering excellence through technical curiosity, continuous learning, thoughtful design reviews, knowledge sharing, and AI-enabled productivity.
- Support Agile planning, technical estimation, risk assessment, release planning, and continuous improvement initiatives.

Requirements:

- Bachelor's or Master's degree in Computer Science, Software Engineering, Computer Engineering, or a related field.
- 10+ years of software development experience, including technical leadership of enterprise software projects.
- Demonstrated experience leading software engineering teams and coordinating technical execution across multiple concurrent projects.
- Proven ability to make sound engineering decisions involving architecture, technology selection, cost, schedule, risk, quality, and long-term maintainability.
- Strong experience designing enterprise software platforms using modern software architecture principles.
- Experience with Microsoft Azure or AWS cloud platforms.
- Strong understanding of distributed systems, REST APIs, microservices, event-driven architectures, and scalable data platforms.
- Experience with modern frontend technologies such as TypeScript and React.
- Experience developing backend software using technologies such as .NET, Java, Python, or Node.js.
- Experience with SQL and NoSQL databases.
- Experience integrating AI/ML capabilities into enterprise software platforms is highly desirable.
- Experience leveraging AI-assisted software development tools (such as Claude Code, GitHub Copilot, Codex, Cursor, or similar) while maintaining strong engineering discipline, architectural governance, and software quality.
- Excellent communication skills with the ability to collaborate effectively with Product Management, customers, and cross-functional engineering teams.
- Must be a U.S. Citizen

Preferred Experience

- Industrial automation, mining, manufacturing, energy, or other industrial software and connected device environments.
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Innovative Wireless Technologies, Inc.
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- Predictive analytics, machine learning, computer vision, digital twins, or operational intelligence systems.
- Industrial automation, mining, manufacturing, energy, or other operational technology (OT) environments.
- OPC UA, MQTT, SCADA, historian systems, or industrial data integration.
- DevOps, CI/CD pipelines, Docker, Kubernetes, and cloud deployment technologies.

Physical Requirements: Physical requirements are typical for an office setting.

Equal employment opportunity policy

The United States government does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service or other non-merit factor.

Reasonable accommodation policy

Federal contractors must provide reasonable accommodation to applicants with disabilities where appropriate. Applicants requiring reasonable accommodation for any part of the application process should follow the instructions in the job opportunity announcement. For any part of the remaining hiring process, applicants should contact the hiring agency directly. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

[APPLY TO JOBS@IWTWIRELESS.COM](mailto:JOBS@IWTWIRELESS.COM)