



Broadata Communications, Inc. (BCI), a subsidiary of Intellisense Systems, Inc., is a privately held, California-based corporation. BCI has a reputation as a leading and innovative company specializing in the development of market-driven products for the transmission of digital multimedia (video, audio, and data) over fiber.

Many of BCI's clients are world leaders in their industry, which span a wide variety of industry segments including entertainment, broadcast, medical, professional audio/video, house of worship, education, government, military, and transportation.

We are looking for a hands-on **Systems Architect Engineer**

The System Architect Engineer is responsible for specification, conceptual design, planning, and development of professional (medical) video/audio network systems architectures and define key capabilities and performance requirements in areas of considerable scope and complexity. He/she will take the lead to define the design and technology maturity constraints of the system. This will be based on BCI's existing and future solutions, as well as off-the-shelf products on the open market, to define the system implementation approach and operational concept. He/she will ensure requirements are met and will evaluate product performance with customers. The position requires highly motivated, extremely organized and self-driven individuals.

This is not a remote position.

Job Description

- Act as the Electronic Development representative in a multidisciplinary design team and lead in the facilitation of technical meetings.
- Understand the hierarchical and sequential process modeling concepts/ techniques
- Decompose functional requirements and define, document and maintain specifications of the system architecture, modules and infrastructure.
- Perform trade-off studies to determine the preferred implementation scenario for new or changed functions. Get agreement with stakeholders.
- Make work breakdown and effort estimation for the various electronics products, aligned with other stakeholders.
- Conduct system and subsystem level integration/testing, data collection, and analyzing the effectiveness of the resulting data.
- Manage the outsourcing of development activities at co-developers.
- Conduct business process analysis in order to identify areas of improvement and solve problems during first system integration.
- Act as a technical coach for designers and other team members.
- Other responsibilities as assigned

Experience

- BS Engineering with a major in Electrical Engineering , Computer Engineering, and/or IT
- MS or Ph.D. is a plus
- 5+ years relevant design experience.

Broad knowledge of electronics hardware and software, including:

- Video streaming and/or distribution systems.
- Communication Network or IT network.
- Electronic systems design and specification.
- Digital Circuit Design.
- FPGA Microcontroller Firmware.
- Power Electronics and Power Supplies.
- Electronics manufacturing.
- System understanding of DSP implementations (both hardware and software).
- High-Speed Architectures.
- Understanding in data modeling/data analytics.
- Multiple years' experience as designer of electronic functions and sub-systems, including experience with working in multidisciplinary design teams to establish agreement on specifications.
- Ability to support the testing & troubleshooting of electrical & electronic systems to component level using standard test equipment (oscilloscopes, spectrum analyzers, Signal generators, etc.)

Skills requirements:

- Quality Focus and Ownership Mentality – desire to deliver top quality at the right cost, right time with result driven-demonstration of ownership and accountability.
- Ability to establish and maintain cooperative working relationships with co-workers and customer, by observing and responding to people and situations, and interacting with others encountered in the course of work.
- Ability to provide technical arguments to influence direction.
- Proven ability to perform effectively in a demanding environment with changing workloads, prioritizing tasks.
- Work independently or as part of a project-oriented team and follow through on assignments with minimal supervision.
- Ability to complete assignments with attention to detail and high degree of accuracy.
- Strong customer focus and commitment to customer satisfaction through prioritization, quality, efficiency and professionalism.
- Must be able to read and interpret data, information, and documents.
- Demonstrate open, clear, concise and professional communication.
- Perform other functions that may be assigned.

Benefits:

- Medical, Vision, Dental Insurance
- 10 paid holidays
- 401(k) matching, 100% of the first 4% in eligible compensation
- Flexible Spending Account
- Voluntary Life Insurance