



PROVIDING NEXT GENERATION WIRELESS SOLUTIONS

219 South Street  
Suite 202  
New Providence, NJ 07974  
[www.g3ti.net](http://www.g3ti.net)

Send resumes to: [nj.recruiting@g3ti.net](mailto:nj.recruiting@g3ti.net)

## **Wireless Communications Systems Engineer**

### **Position Responsibilities:**

- Act as conduit between various teams (DSP, S/W, HW, RF, I&T) that are contributing to projects to understand and capture design details.
- Work with customers and product leads to create system-level requirements
- Understand system-level requirements and work with various teams to ensure that designs/implementations are meeting expectations
- Derive requirements, conceptualize, define, design & prototype systems engineering solutions
- Document designs and interfaces, distribute across teams and conduct reviews and discussions.
- Understand the big picture but also break down to system-level components to capture dependencies, bottlenecks or risk areas in design.
- Travel to other G3 locations or customer sites as necessary
- May support or lead proposal efforts and new business development opportunities
- May assist in creating schedules that capture dependencies across system components and respective teams

### **Skills and Knowledge/Qualifications:**

To be considered for this position, you must minimally meet the knowledge, skills, and abilities listed below:

- Prior experience designing or building cellular wireless communications receiver or transmitter products/systems.
- Good knowledge and understanding across various engineering principles that apply to wireless communications systems (RF, DSP, FPGA, software, digital/hardware, mechanical/packaging) and their interdependencies
- Excellent understanding of commercial cellular wireless systems (2G, 3G, 4G) how they work, interaction between mobile devices, towers and network components
- Excellent written skills using MS office (Word, Visio, Excel)
- Highly proficient in creating engineering documents: system designs, interface specifications, requirements/specifications, etc.
- Excellent verbal communications skills, ability to tailor methods of communication to communicate with a variety of very smart/talented people across the organization
- Highly motivated, able to work independently with minimal direction
- Proven track record of always striving to learn new things & understanding the big picture
- Excellent organization skills, able to manage time, tasks and priorities.

### **Minimum Education and Experience:**

- Bachelor's degree in Electrical Engineering or Electrical Computer Engineering
- 7+ years of related experience
- Advanced degree preferred

### **Additional Desired Skills:**

- Program management, proficient in MS project
- Familiarity with Linux
- Good understanding of commercial wireless Air Interfaces (L1, L2, L4) for 2G, 3G, 4G networks.
- Good understanding of networking and TCP/IP
- Experience using wireless test equipment (BTS Master, Spectrum Analyzer, TEMs/Nemo Drive Test, BTS Emulators)



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### **About G3 Technologies, Inc.**

**G3 Technologies, Inc.** is a dynamic company providing state-of-the-art wireless technology solutions, specializing in software development, cellular technology, wireless protocols, signal processing and systems integration. We are a nimble, non-bureaucratic company characterized by technological innovation, extraordinary effort, and dedication to our customers, employees, and suppliers.

The atmosphere is fast-paced and agile, shifting rapidly to meet the pressing needs of our customers. Team mentality, excellent work ethic, initiative, innovation, and an entrepreneurial spirit are key factors to your success here.

G3 Technologies Inc. offers generous benefits, including:

- Generous and Flexible Vacation/Paid Time Off plan
- Company-paid Medical and Prescription benefits
- Company-paid Dental benefits
- Company-paid Vision benefits
- Flexible Spending health account (FSA)
- Tuition Assistance
- 401k matching
- Life Insurance
- Long-term Disability
- Gym Membership
- Employee Assistance Program (EAP)
- Additional voluntary benefits are available

We have several exciting new opportunities available at our suburban New Providence, NJ location.

We are located in New Providence, NJ (30 miles west of NYC), and within walking distance of NJ Transit's Murray Hill Train Station.

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