**Senior Level Firmware Engineer**

**NOTE:  To qualify for this position, you are required to take a one-hour personality matching test to verify that your personality matches our top performing Engineers.**

**WHO WE ARE** Applied Concepts is a 45-year-old, 200 person privately owned company, located in Richardson Texas. Founded in 1977 by an electrical engineer, we have long history of profitable organic growth. Our company remains entrepreneurial at heart, constantly re-inventing ourselves with new products and new markets, but still balanced with business prudence. We manufacture our own products, in our own facilities. Integrating our product development with our own manufacturing resources is a key part of our business culture, keeping us nimble and able to provide high quality products.

**WHAT WE DO** We focus on designing, manufacturing, and selling products that promote public safety. We are the number one supplier of speed enforcement products to law enforcement in the United States. Our employees take pride in the quality of our products and the service we provide in keeping our streets and neighborhoods safe. We offer a variety of engineering challenges, from microwave to high-speed lasers, to image capturing and processing, and LED speed calming devices.

**WHAT WE NEED** We are looking for engineers who are interested in participating in the entire life cycle of their designs, working in small, focused design teams that are responsible for product innovation, product development and transiting those efforts into new and improved products.

**MINIMUM REQUIREMENTS:**

* 5 - 15 years’ experience in embedded software development
* A four-year Engineering degree - Master’s Degree in engineering or computer science is an advantage
* Multi-threaded, thread-safe development
* Working in teams using various IDEs and version control systems
* Ability to supervise technical staff and develop relationships with key suppliers
* Ability to fearlessly solve problems in any engineering discipline – through others, if necessary

**WE WILL BE PARTICULARLY INTERESTED IF:**

1. You have a very diverse engineering work background (multiple disciplines or multiple technologies)
2. You have a broad skill set – software (assembly, C/C++, and OS/RTOS) and hardware (analog and digital)
3. You have worked as an engineering consultant for multiple clients
4. You have worked for a small electronics manufacturing company and been responsible for “doing it all”

**EXPERIENCE IN SOME OR ALL OF THE FOLLOWING AREAS IS DESIRABLE:**

* Digital Signal Processing (DSP) analysis and algorithm design
* Embedded hardware/software development
* Doppler Radar signal processing
* Video capturing, video processing and current video standards.
* Working with marketing and customers to define new products and product enhancements
* Managing development projects, seeing products through from definition to production
* Managing outside contractors and consultants.
* MATLAB, Mathcad or other mathematic/numerical analysis software