

## **Embedded Software Engineer**

We are seeking a creative Software Engineer with hands on experience in the area of Software Defined Radio. The chosen candidate will have the opportunity to take a leading role in a space craft modem design and development. Design, test and integration into a space vehicle will be required for all products. If this is an area of interest then this is the position for you. The position offers a competitive salary and excellent benefits.

### **Essential Duties and Responsibilities**

- Implement algorithms to control hardware and modem features
- Developing hardware and software architectures for PHY, MAC and routing layers of the network
- Debug and testing of software using logic analyzers and oscilloscopes.
- Developing APIs
- Support product development from conception to product delivery and production

### **Requirements**

- BSCS/MSCS or equivalent experience, with 0-2 years of relevant design experience
- Self-motivated and able to work with minimal direction
- Excellent verbal and written communications skills
- US citizenship required.

### **Preferred:**

- Experience working with engineering teams on complex digital systems
- Hands on experience using RF test equipment to verify software modem performance
- Proficient in C, C++, Java or Python.
- Thorough understanding of theoretical and practical modem design implementations desired
- Understanding of Digital Signal Processing
- Experience working with Linux

The company is located in beautiful Carlsbad, CA 92008, a coastal city within the greater San Diego area. Vulcan Wireless Inc. develops and manufactures advanced software defined radio systems and sensors for the US Government and commercial customers.

Please apply to [jobs@vulcanwireless.com](mailto:jobs@vulcanwireless.com)

- Location: Carlsbad, CA
- Principals only. Recruiters please don't contact this job poster.
- Please do not contact job poster about other services, products or commercial interests.