Jeanne M. Pindar
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Embedded systems designer who has worked extensively in the rf/microwave/wireless industry, and has experience with the full software & firmware development cycle as well as hands-on experience in electronics manufacturing.

While not an rf design engineer per se, I do have general knowledge of rf components and equipment, and the domain knowledge needed to design digital control circuits for them, as well as familiarity with test equipment and the automation thereof. I have experience in testing and calibrating rf devices and in laying out rf pcbs in collaboration with an rf design engineer.

When practical I prefer remote work; I have a distraction-free work environment including a basic electronics lab.

SKILLS
Git, SVN, Linux
C, Python, Java, HTML/CSS/JS
Single Board Computers including Raspberry Pi and Beaglebone
Schematic capture and PCB layout
Digital circuit design, including microcontrollers (especially Microchip PIC processors)
Automation of test equipment such as network analyzers, spectrum analyzers, and oscilloscopes
Communications protocols such as GPIB (HPIB, IEEE-488), USB, SPI, I2C, UART (RS232, RS-485, RS-422)
Experience working with legacy code and older languages such as Pascal, Visual Basic, HPL, HPIL, HP Basic, AutoIt; experience porting applications between languages/platforms
Hobby experience with Android development, Unity3D, LSL, IoT, Arduino

JOB EXPERIENCE
Designed and programmed desktop software to control products and development boards and to aquire and analyze data from test instruments
Implemented computer-controlled calibration and testing of products for increased speed and accuracy

Wrote and tested firmware in C and assembler
Configured ethernet and wifi modules for IoT products
Developed APIs, wrote specifications and acceptance test procedures, maintained documentation

Wrote desktop software in Python, Java, Visual Basic, and other languages
Ported software from obsolete languages to current platforms

Designed digital circuits including Microchip PIC processor based microcontroller boards
Drew schematics and laid out both digital and microwave PCBs using Mentor Graphics PADS
Specified and purchased electronic components, circuit boards and subassemblies

Performed testing, tuning, component level troubleshooting and repair of active microwave filter circuits and rf devices, and various digital and analog circuits

Built prototypes (including hand SMT assembly and soldering), test fixtures, cables etc.