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 electronics manufacturing.

While not an rf design engineer per se, I do possess a fundamental knowledge of rf & microwave communications equipment, and the extensive domain knowledge needed to design digital control circuits for such equipment, as well as familiarity with test equipment and the automation thereof. I have experience in testing 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
C, Python, Java, HTML/CSS/JS
Git, GitLab, SVN
Linux (including Raspberry Pi and Beaglebone)
PCB layout (Mentor Graphics PADS)
Microcontrollers (mostly PIC and Atmel); Single Board Computers
Android development, Unity3D
Experience working with legacy code and older languages such as Pascal, Visual Basic, HPL, HPIL, HP Basic, LSL, AutoIt
Software control of test equipment such as network analyzers, spectrum analyzers, and oscilloscopes

JOB EXPERIENCE

Designed, programmed, and implemented instrument control systems to control various embedded systems and to aquire data from test instruments

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

Wrote firmware in C and assembler, developed APIs, wrote specifications and acceptance test procedures

Wrote ATE desktop software in Java, Visual Basic, Pascal, and other languages; ported ATE software from HPL, HP Basic, HPIL, and other obsolete languages

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

Performed testing, tuning, component level troubleshooting and repair of various digital and analog circuits such as digital interfaces, voltage controlled oscillators, fm modulators and demodulators, video amplifiers, and fiber optic systems including laser diode drivers

Built prototypes (including hand SMT assembly and soldering), test fixtures, cables etc. including phase-matched semirigid coaxial cables; installed and polished fiber optic connectors