

Embedded Software Engineer

US Citizenship Required

Q.E.D. Inc., a small Northern Virginia firm specializing in Radio Frequency systems design and development is seeking both entry level and experienced engineers for full-time employment. Staff work in small teams to develop and deliver both all-software and mixed software/hardware products. Positions require undergraduate engineering degrees in electrical engineering or computer science; individuals with graduate degrees are preferred. Entry-level positions are typically appropriate for candidates with less than 5 years experience. Candidates of all experience levels will be considered for other positions.

Engineers will become involved in projects dealing in such areas as design and development of real-time software, signal processing algorithm analysis, client/server systems, network based applications, control and monitoring, system-level design, customer interface and brainstorming sessions. Q.E.D. staff are involved in all project phases from analysis and design through implementation and customer acceptance testing. Q.E.D. is committed to providing each employee with challenging work that encourages both technical and professional growth.

Q.E.D. has a current opening for an **embedded software engineer** to help design and develop software for scientific and engineering systems, embedded processors, and device control projects. Candidate must have experience developing C/C++ applications for Linux/UNIX workstations, additional experience with embedded system environments is preferred. Typical software tasks include embedded driver development, developing embedded signal processing algorithms, and efficient data structure design for high-throughput processing. Other desirable skills include basic signal processing knowledge, experience with signal processing tools MATLAB and Python, real-time operating systems, and DSP/FPGA programming experience.

Ideal candidate will have 10 years software development experience. Exceptional candidates with fewer years of experience will also be considered.

Candidate must possess or be eligible to obtain a US Government security clearance. (US Citizenship required)