

Hardware Design Engineers – Mid and Senior Level

U.S. Citizenship Required

Charon Technologies specializes in designing and building hardware and software to meet our customers' next requirement. We focus on offering devices that can be fielded immediately to meet the mission needs that lie directly ahead. Size, weight, power, and packaging are of paramount importance in everything we design and build. Our expertise allows us to rapidly provide these solutions in specialized electronic/mechanical design, embedded and application-level software, reverse engineering and protocol analysis, and RF signals exploitation and communications systems.

We are seeking highly motivated mid and senior level Hardware Design Engineers with expertise in RF, analog and digital hardware design, and PC board layout. Engineers will develop hardware devices and platforms for embedded products as part of a cross-functional multi-disciplinary engineering team.

- Experience with the design of digital and analog circuits for compact low power communications devices is required. Expertise must include the design of products integrating RF, analog, DSP, and microcontroller components. Expertise in the design of circuits using active filters, passive filters, phase-locked loops, and low-noise amplifiers is required.
- Experience with software packages supporting circuit design and board layout is required. Expertise in schematic capture and PCB layout is required.
- Experience with the specification and design circuitry for electrical interfaces including memory (Flash, SDRAM, SRAM), digital-to-analog conversion (ADC/DAC), USB, and Ethernet is required. Expertise with electronic power supplies is highly desirable.

- Expertise in the use of applicable test equipment such as oscilloscopes, digital logic analyzers, signal analyzers, and network analyzers is required. Experience with cellular modem hardware and tuner design is highly desirable.
- Experience with software configuration management tools is desirable.

This role requires the ability to effectively collaborate with a cross-functional design team. Candidates must possess solid interpersonal as well as excellent oral and written communication skills. Ideal candidates for this position would have more than 8 years of experience. A bachelor's or master's degree in electrical engineering, computer engineering, or another relevant degree is required.

This is our life's work, but not our life. We're serious about it, yet enjoy the work. We will require your intellectual commitment and seek individuals who:

- are enthusiastic about embedded development
- are excited about working closely on small development teams
- enjoy taking ownership of their work
- want to help us brainstorm and design new solutions
- want to introduce new technology ideas
- want to be technically challenged
- have strong aptitude and interest in learning new technologies

We work in a rare environment – employee and family-friendly, seriously. Our employees enjoy:

- The best computers with at least two large monitors
- PC or Mac – your choice
- Generous salary, holidays, vacation, and sick leave
- Fully-paid employee health and dental plans and life insurance
- Private or semi-private window offices
- Comfortable, contemporary furnishings
- 401k plan with company match that vests immediately
- Tuition/educational assistance program
- Casual dress and flexible schedule
- Free snacks, Starbucks coffee, and other beverages
- Regular free lunches and social events (plus the summer picnic and winter holiday party)
- Convenient location in Herndon – bike or walk to work (showers in the facility)

We are proud to be an Equal Opportunity Employer and do not discriminate on the basis of race, religion, gender, national origin, color, age, military service eligibility or veteran status, disability, sexual orientation, marital status, or any other protected class. We encourage and support workplace diversity. U.S. citizenship is required.

Qualified candidates should send their résumés as a PDF or MS Word attachment to: HR@charontech.com. We cannot consider using third parties, subcontractors, or independent consultants.