

# Senior Mechanical / Thermal Engineer

## 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.

Our business is expanding, and we need to add a Senior Mechanical/Thermal Engineer to our team. Successful candidates must meet the following requirements:

- Must have a BS in mechanical engineering (or similar degree)
- Must have at least 10 years of experience designing and packaging electronics into enclosures.
- Must have expertise and proven track record of performing mechanical and thermal design to produce ruggedized products used in extreme environmental conditions.
- Must be able to work with electronics engineers to produce board designs to account for thermal and packaging requirements. Will collaborate on parts selection and placement, heat-sinking, and airflow or passive cooling design.

- Must have experience in implementing designs through final production. This includes working with internal technicians as well as outside vendors to refine designs and build production units.
- Must have experience with SolidWorks software and thermal modeling software. 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](mailto:HR@charontech.com). We cannot consider using third parties, subcontractors, or independent consultants.