



Senior R&D Electrical Engineer

Hey... Does This Sound Like You?

Have you ever wished there was a way to bring your experience to the emerging fields of Bioelectric Medicine and Brain Machine Interfaces?

When you design a perfect PCB layout and get the board right on the first spin, is your heart happy?

Want to work with the coolest gang of engineers (yep, I said it, we think engineers are cool) ever? Talk shop and hammer out ideas with them? And then head out to Curry Thursday with them to share some Massaman?

Are you someone who wants the best solution, even if it's not the solution you proposed? If not, Ripple probably isn't the place for you. We value open, respectful, productive challenges and criticism of our ideas and plans (and yours). We all show up for each other by giving our best, and letting the best plans and ideas win.

If you answered yes to these questions, let's talk!

Is This Opportunity You've Been Looking For?

Ripple Ventures is a global neurotechnology leader driving the future of neuroscience discovery and medical innovation. We are on the cusp of our next big stage of growth and in need of an experienced, top-flight, ready-to-grow, ready-to-participate in the upside, **Senior R&D Electrical Engineer** guru.

We are looking for a focused, creative, deadline-driven Senior R&D Electrical Engineer to join our tight-knit team of experienced professionals to help design the next generation of implantable medical device projects. This is a full-time, salary position, starting immediately in our Salt Lake City office.

What You'll Need to Bring With You (a.k.a. Skills & Experience)

If you've got these under your belt, then you've got the chops:

Required

- *5+ years' experience in design and development of electrical components for medical or consumer devices.*
- *5+ years' experience in concept-to production engineering including high level design, detailed design, schematic capture, PCB layout, board bring-up, debugging and validation, system integration, design verification, and manufacturing handoff.*

- *2 years' professional experience using PCB design software (Altium highly preferred).*
- *Experience transferring PCB processes to production suppliers.*
- *Open-mindedness. Do you appreciate the opportunity to collaborate with others, learn new ideas, and have your mind changed? If yes, bear with us. Keep reading!*
- *Deep reserves of grit and optimism. We need someone who doesn't get defeated easily and steps up to challenge after challenge with a positive outlook.*

Desired

- *Experience working on medical devices used for neuromodulation.*
- *Experience with and understanding of the Software Development Life Cycle (SDLC).*
- *Experience working in an ISO 13485-certified environment.*
- *Experience in programming (C++ and/or Python preferred).*
- *Electrical Engineering or Electrical and Computer Engineering degree.*

What You'll Do When You're Here (a.k.a. Responsibilities)

- *Design and develop electrical components for active implantable medical devices to EMC standards for compliance, reliability, and safety.*
- *Create embedded system requirements for new products leading to PCB assembly board spins all the way to a finished product.*
- *Work cooperatively with engineering teams and project managers to ensure projects success.*
- *Learn about neuroscience and Brain Machine Interfaces.*
- *Engage problems and drive to solutions. When you hit a roadblock, do you simply report the issue to your manager to have it resolved, or do you start digging in to find solutions?*
- *Documentation – on current and future designs.*
- *Design and Process Validation on your designs.*
- *Help transfer your designs to production suppliers.*
- *Maintain and improve design of existing hardware for Ripple's current product lines.*
- *Be a humble badass. What's a humble badass, you ask? It's someone who is both extremely competent in their role and also kind and open to new information. It's someone who will do excellent work regardless of recognition because the work they are doing matters. We believe a humble badass understands how complex problems can be, how to tackle them; and how there is ALWAYS more to learn.*

Who You'll Work With (a.k.a. Manager and Team)

- *Steve, our Engineering Technical Lead for our electrical and software teams. Steve will help make sure your priorities are on track and aligned with current efforts.*
- *The electrical, software, mechanical, and quality engineering teams. You will work with them to complete projects and fulfill current company needs.*

Some Legal Stuff...

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee for this job. We are a team. We pitch in and help each other on all projects. If you are "above" doing certain tasks, Ripple is definitely not a good fit for you.

Ripple is committed to equal employment opportunities and does not discriminate on the basis of any protected class defined by the Equal Employment Opportunity laws. We take pride in having a diverse workplace. We are also willing to make reasonable accommodations to enable individuals with disabilities to perform this job.

Are We The Team You've Always Wanted to Join?

What We Do

Ripple Ventures' mission is to develop game-changing neurotechnology that restores health and advances human potential. We provide products and services to the world's top scientists and medical device companies.

Our products integrate cutting-edge hardware and software elements designed to **read and write from the human nervous system**. We work with leading neuroscientists unlocking the secrets of the human mind and early-stage medical device companies launching products to treat devastating neurological disorders. We also conduct advanced research projects for federal agencies, including NIH and DARPA, focused on building the future of neurotechnology.

Who We Are

At our core, we are a community of driven people who share a common interest in solving really hard problems. We are builders and creators who want to see our efforts impact the world for good. We understand that executing our mission requires smart ideas, amazing people, and lots of hard work. We strive daily to find the best in ourselves as individuals and endeavor to approach our work together with intention, sincerity, and passion. We know there will be times of intense effort and individual contribution and sacrifice, but we believe that the impact we are striving for is worth the effort.

Thriving at Ripple requires being self-motivated and able to work well independently. We are motivated by tackling challenges we have never before faced. We are comfortable starting from a bit of context and working to fill in the rest. We will seek out necessary information, and develop new skills required to accomplish the task at hand. (If you are looking for micromanagement, this is not the place). We strive relentlessly for self-improvement; we own our mistakes and aim to improve.

Thriving at Ripple requires being excellent at working in teams. We welcome differing opinions, and the opportunity to be surrounded by people who's deep commitment to our mission leads them to fight together for the best approach. We take time to help and teach each other. We are willing to listen, learn, and change our views until we arrive at a great solution. We expect big ideas to come from everyone at Ripple. We balance passion and open-mindedness, and have a zero-tolerance policy for jackasses (no matter how great they think they are).

Check Us Out...

Ripple Ventures Companies:

Medical Devices

IRIS Biomedical

irismeddesign.com

Neuroscience Research (Animal)

Ripple Neuro

rippleneuro.com

Neuroscience Research (Human)

Ripple Neuromed

rippleneuromed.com

If You Think We're a Match... Swipe Right!

Send your resume on over to jobs@rppl.com with a cover letter explaining your interest in this position, and in working for Ripple. Tell us why this job posting spoke to you. We are excited to hear from you!