



Embedded Software Engineer

Energous Corporation (Nasdaq: WATT) is the Wireless Power Network global leader. Our award-winning WattUp® wireless charging solution is the only technology that supports both contact and distance charging through a fully compatible ecosystem. Built atop fast, efficient, and highly scalable RF-based charging technology. Energous develops silicon-based wireless power transfer (WPT) technologies and customizable reference designs, and provides worldwide regulatory assistance, a reliable supply chain, quality assurance, and sales and technical support to global customers. The company received the world's first FCC Part 18 certification for at-a-distance wireless charging and has been awarded over 200 patents for its WattUp wireless charging technology to-date.

Our goal is simple: To power everything from the critical tools and devices that keep factories running to the instruments and wearables that monitor patient health – wirelessly. Our next-generation technology -- built atop innovative engineering and backed by hundreds of patents -- supports a near-limitless range of applications without the need for cumbersome charging cables and ports that limit innovation and are prone to failure. WattUp delivers advanced capabilities and design flexibility to global manufacturers who are building the latest consumer, medical, military, and industrial devices, among many other sectors.

Essential Duties: Primarily responsible for developing, creating, and modifying embedded software applications for Energous power transmitters and receivers.

Specific duties and responsibilities include, but are not limited to, the following activities:

- Develop transmitter/receiver software on BLE/Wi-Fi embedded chipsets to demonstrate functionality and interaction models
- Analyze user needs and software specifications to determine feasibility of design
- Design and/or customize software in order to optimize operational efficiency and reduce code size
- Perform firmware unit testing and validation procedures
- Resolve with QA and software engineers in identifying and resolving customer and technical issues
- Generate technical documentation
- Support integration of technology into a cloud-based system

Qualifications:

- Bachelor's degree in CS/CE/EC/EE
- Minimum of 2 years of experience in RTOS and embedded software development
- Strong experience with development in C and on ARM based systems
- Hands on experience working Bluetooth Low Energy and/or Wifi chipsets
- Hands on experience with bare metal and RTOS (threadx, Free RTOS etc.)

- Hands on experience in one or more of the following – SPI, UART, I2C
- Experience working with logic analyzer, oscilloscopes, BLE sniffer
- Experience with bare metal and RTOS (threadx, Free RTOS etc.)
- Ability to multitask in a high energy environment

Location of Employment:

San Jose, CA (Santa Clara County)

Remote Working:

Max 2-3 days a week. Required to be on-site whenever needed.

