

# Embedded Systems Engineer at Supply

Supply is a YC startup developing wireless charging technology. We're hiring an Embedded Engineer to join our team and develop firmware for our wireless charging networks.

Our wireless charging beacons — much like Wi-Fi routers — utilize radio signals to transmit power over the air. These power beacons are algorithmically controlled to optimize power reception for low-power devices.

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## Skills

C++, Wireless Networking, Embedded Systems, Embedded Software, Bluetooth, Firmware, Microcontrollers, Embedded Firmware Development

## Compensation

\$70K – \$95K

0.3% – 1.0%

Visa Sponsorship

Available

Above all, willingness and drive to learn, explore, and hack are the most important things we look for.

## What you'll do:

- Develop efficient control-scheme firmware for the wireless charging beacons
- Develop low-power communication link between beacons and receivers
- Interface firmware with microcontroller and supporting hardware
- Design and implement end-to-end system feature tests

## What skills/experience are recommended:

- C and C++ for microcontrollers
- Experience with common communication protocols such as SPI, I2C, UART, and BLE
- Embedded systems (hardware and software) debugging experience with scope, analyzers, etc.
- Experience with ARM Cortex-M development platforms
- Fluent in software fundamentals including software design, algorithm development, data structures, code modularity, and maintainability.

What we look for:

- Creative, progressive intellectual curiosity for leading-edge technology and the underlying physics
- A risk-taker who's not afraid to move fast, make mistakes, and iterate
- An engineer able to improvise diverse, hacky solutions to impulsive problems

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At Supply, R&D moves at a very rapid pace, especially for our field of work. But our R&D process is also closely coupled with our product design process in order to inform user-guided constraints. Our culture revolves around fast test iterations, creative hacking, empathetic technology development, diverse collaboration, and open-mindedness.

If you'd like to learn more about us, feel free to reach out.

[team@madebysupply.com](mailto:team@madebysupply.com)