

Ryan Carlin

Embedded Software Engineer

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[GitHub](#) | [Portfolio](#)

Embedded software engineer with expertise in real-time systems

Experienced software engineer with six years of expertise in embedded system development, the Internet of Things (IoT) applications, and real-time OS programming.

Professional Experience

Embedded Software Engineer *Tech Solutions | Dallas, TX | June 2018 - Present*

- Developed real-time firmware, reducing system latency by 40%
- Optimized memory management, reducing footprint by 25%

Education

Bachelor of Science in Electrical Engineering *Texas A&M University | May 2017*

Key Skills

- C, C++, Assembly
- Embedded Linux, RTOS, IoT
- Microcontrollers (ARM, PIC, AVR)
- Low-level debugging, JTAG