



Embedded Software Engineer

Digital Dynamics, Inc. (DDI) is growing and has a career opportunity for an experienced Embedded Software Engineer. Our company designs and manufactures real-time network-based machine and process controllers, which its customers incorporate into their products deployed worldwide. DDI products employ state of the art in hardware, firmware, and software engineering.

DDI, founded in 1977, is headquartered in Scotts Valley, CA, about 20 minutes south of Silicon Valley. DDI is an employee-owned (ESOP) company where employees share ownership of the company. Our employees describe the company as a collaborative environment with a small company feel in a great location.

The position will be full-time, with a competitive benefits package.

Responsibilities

- Design and implement software of embedded devices and systems from requirements to production and commercial deployment.
- Design, develop, code, test, and debug software for performing diagnostics on hardware.
- Analyze and enhance efficiency, stability, and scalability of system resources.
- Integrate and validate new product designs.
- Support software QA and optimize I/O performance.
- Interface with hardware design and development.
- Assess third-party and open-source software.

Requirements

- BS or MS degree in Engineering
- At least five years' experience as an Applications Engineer in a similar role
- Strong verbal and written communication skills
- Experience in hands-on development and troubleshooting on embedded targets
- Solid programming experience in C/C++
- Proven experience in embedded systems design with preemptive, multitasking real-time operating systems
- Excellent knowledge of OS coding techniques, IP protocols, interfaces, and hardware subsystems

Highly Desired Experience

- Control Systems with high-performance Digital and Analog Input and Output
- EtherCAT communication protocol
- QNX operating system
- Embedded Linux
- Expert knowledge in control strategies such as PID

If you are qualified and interested in this job opportunity, please email your resume to Jobs@DigitalDynamics.com or complete the [application form](#).