

John Doe

EMBEDDED SOFTWARE ENGINEER

OBJECTIVE

I am a dedicated and skilled Embedded Software Engineer with over 8 years of experience in the full software development life cycle, specializing in embedded programming, microcontroller architecture, and software verification. I seek a challenging role with a fast-growing medical device organization to contribute my technical expertise and innovation to the R&D team.

EXPERIENCE

EMBEDDED SOFTWARE ENGINEER | JAN 2020 – PRESENT

MEDTECH INNOVATIONS

- Engage actively in hands-on software development using embedded C/C++, configuring and leveraging various peripherals and interfaces for medical devices.
- Investigate and resolve issues through rigorous debugging, employing tools such as Oscilloscope and logic analyzers.
- Contribute to the generation of innovative solutions, demonstrating proficiency in chipsets documentation and reference manuals.
- Produce high-quality technical documentation to effectively capture and communicate design concepts.

EMBEDDED SOFTWARE ENGINEER | JUN 2015 – DEC 2019

TECHSOLUTIONS INC.

- Translated system-level requirements into detailed software requirements specifications, designing and implementing application solutions for embedded control systems.
- Developed and executed comprehensive test plans, documented designs, and created Failure Mode and Effect Analysis (FMEA) documentation.
- Collaborated seamlessly with internal and external stakeholders, contributing to the development, enhancement, and maintenance of web portals and products.

CONTACT

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EDUCATION

Stanford University, 2015
MEng, Computer Engineering

SKILLS

- C & C++ Programming
- UART, SPI, I2C, GPIO, ADC
Microcontroller Architecture
- Software Development Life Cycle
- Object-Oriented Development,
Concurrency, & Data Structures
- Software Verification & Validation
- Linux & FreeRTOS Operating
Systems
- Digital Control, Analog Circuits,
Sensor, Embedded Systems,
Control, & Network Interfacing
- Network & Cybersecurity
- Medical Devices And FDA
Regulation
- Effective Communication
- Excellent Analytical Thinking
- Strong Leadership

CERTIFICATIONS

Certified Embedded Systems
Developer (CESD)

PROFESSIONAL MEMBERSHIPS

Member, Institute of Electrical and
Electronics Engineers (IEEE)