



# Michael

## ANDERSON

### SENIOR FIRMWARE DEVELOPER

Detail-oriented Firmware Developer with a rich background in medical device firmware development spanning over 7 years. Proficient in writing and maintaining firmware for diagnostic equipment, ensuring compliance with stringent regulatory requirements. Strong analytical skills and a methodical approach to problem-solving, with a focus on enhancing device functionality and patient safety. Experienced in collaborating with multidisciplinary teams to deliver high-quality firmware solutions.

#### CONTACT

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#### SKILLS

- C
- C++
- Regulatory Compliance
- Embedded Systems
- Risk Assessment
- Documentation

#### LANGUAGES

- English
- Spanish
- French

#### EDUCATION

**BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING, UNIVERSITY OF MEDICINE, 2014**

#### ACHIEVEMENTS

- Achieved ISO 13485 certification for the firmware development process.
- Received commendation for developing firmware that improved patient safety metrics.
- Led a project that reduced firmware development time by 20% through process improvements.

#### WORK EXPERIENCE

##### SENIOR FIRMWARE DEVELOPER

HealthTech Solutions

2020 - 2025

- Designed firmware for next-generation ultrasound machines, improving image quality by 30%.
- Conducted risk assessments to ensure compliance with FDA regulations.
- Optimized existing firmware code to enhance processing speed by 25%.
- Worked with QA teams to implement rigorous testing protocols for firmware validation.
- Trained new hires on firmware development processes and best practices.
- Documented firmware changes and updates to maintain regulatory compliance.

##### FIRMWARE DEVELOPER

MedDevice Inc.

2015 - 2020

- Developed and tested firmware for wearable health monitoring devices.
- Collaborated with hardware teams to integrate new sensors into firmware solutions.
- Performed debugging and troubleshooting of firmware in the field.
- Assisted in the preparation of technical documentation for regulatory submissions.
- Engaged with clinical teams to gather feedback on device usability.
- Implemented improvements based on user feedback, enhancing device satisfaction ratings.