



Bellevue, WA - USA

Firmware Engineer

NEXT Biometrics manufactures fingerprint sensor modules based on the patented *NEXT Active Thermal™* principle. Its sensors are used in a wide scale of solutions and by many manufacturers, including 1st tier manufacturers like Dell and Fujitsu.

NEXT Biometrics is looking for an experienced **Firmware Engineer** to join the team. As a member of the company's engineering team, new team member will take an active role in the development and commercialization of next generation biometric sensors and systems built upon the NEXT biometrics strong set of core IP. The ideal candidate will have a strong technology background of micro-controller based embedded systems with experience in the Semiconductor/Electronics, mobile wireless, and security industries.

The NEXT Biometrics Engineering Team is based in the Greater Seattle area.

Responsibilities

- Contribute to development and releases of NEXT Biometrics' firmware.
- Participate on design and development of firmware – firmware architecture, libraries and applications.
- Partner with test engineers to ensure proper testing and quality of the developed firmware.
- Consult and collaborate with other firmware developers and QA engineers within the NEXT development organization.

Experiences

Essentials:

- A Bachelor's or Master's degree in Electrical Engineering or Computer Engineering
- 2-5 years of experience as a Firmware Engineer
- Extensive experience in the C programming language
- Good working knowledge of MCU architecture and subsystems
- Experience with MCU peripherals including communications, timers, DMA, interrupt controllers, etc.
- Experienced with logic analyzers, protocol analyzer and various other tools for deterministic embedded systems debugging
- Experience in successful market deployment of electronic devices
- Self-starter and team player with leading skills
- Versatility, desire to learn new things, willingness to work in different development environment.

Nice-to-have:

- Experience with protocol software stacks including USB, SPI, I2C
- Experience with low power or battery-based devices
- Experience with Cortex M4 or similar
- Participation through all stages of product development, from concept to production
- Experience with embedded library development
- Exposure to cryptography principles (encryption, hashing, and authentication)
- Exposure to assembly language



Apply at:

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NEXT Biometrics is committed to the principle of equal employment opportunity for all employees and to providing employees with a work environment free of discrimination and harassment. All employment decisions at NEXT are based on business needs, job requirements and individual qualifications, without regard to race, color, religion or belief, national, social or ethnic origin, sex (including pregnancy), age, physical, mental or sensory disability, HIV status, sexual orientation, gender identity and/or expression, marital, civil union or domestic partnership status, past or present military service, family medical history or genetic information, family or parental status, or any other status protected by the laws or regulations in the locations where we operate. NEXT will not tolerate discrimination or harassment based on any of these characteristics. NEXT encourages applicants of all ages.