Embedded Software Engineer

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San Diego, CA

POSITION OVERVIEW

Alarm.com is seeking an ambitious and talented Embedded Software Engineer with a B.A., B.S., or M.S. Electrical/Computer Engineering or a similar engineering background with an interest in sensing applications and IoT. The Embedded Software Engineer position is ideal for candidates who want to work with various video and audio technologies in an Embedded Linux environment. Interest in sensors, computer vision, and microcontrollers for home automation and security applications, is plus as well.

RESPONSIBILITIES:

- Develop firmware and video applications for Alarm.com's smart cameras
- Work closely with multiple teams including electronic design engineers on system design and integrate firmware and hardware components of the overall system design
- Be knowledgeable and forward-thinking regarding technologies and developments in embedded firmware development, sensors, short and long-range wireless communication, and power management
- Researching, designing and implementing highly reliable embedded firmware and software
- Collaborate with firmware engineers
- Operating independently but working with the senior management to understand and be fully aligned with company goals and strategies
- Building systems that balance resources, constraints, requirements, and complexity by analyzing all possible options for designing and deriving the best solution based on sound analytical judgment
- Work with hardware team to communicate requirements
- Work with Alarm.com's backend team to integrate camera firmware to the backend
- Other duties as assigned

CANDIDATE PROFILE:

- Bachelors or Masters degree in Electrical or Computer Engineering with 3-5 years of work experience
- Strong C programming skills
- Strong C++ (C++11 or later) development skills in an embedded Linux environment
- Shell scripting experience
- Strong understanding of various Linux IPC mechanisms
- Experience in Buildroot
- Linux kernel driver development
- Strong understanding of proper code design for multi-threaded environments
- Experience with advanced build systems such as CMake or Meson
- Knowledge of video compression standards and frameworks such as H.264, MPEG
- Experience developing REST APIs
- Good understanding of networking protocols relevant to video such as UDP, TCP, RTP, RTSP, WebRTC
- Experience with GStreamer media framework application development and ffmpeg

WHY WORK FOR ALARM.COM?

- **Collaborate with outstanding people:** We hire only the best. Our standards are high and our employees enjoy working alongside other high achievers.
- **Make an immediate impact:** New employees can expect to be given real responsibility for bringing new technologies to the marketplace. You are empowered to perform as soon as you join the Alarm.com team!
- **Gain well rounded experience:** Alarm.com offers a diverse and dynamic environment where you will get the chance to work directly with executives and develop expertise across multiple areas of the business.

Privacy - Terms

- **Focus on fun:** Alarm.com places high value on our team culture. We even have a committee dedicated to hosting a stand-out holiday party, happy hours, and other fun corporate events.
- Alarm.com values working together and collaborating in person. Our employees work from the office 4 days a week.

COMPANY INFORMATION

Alarm.com is the leading cloud-based platform for smart security and the Internet of Things. More than 7.6 million home and business owners depend on our solutions every day to make their properties safer, smarter, and more efficient. And every day, we're innovating new technologies in rapidly evolving spaces including AI, video analytics, facial recognition, machine learning, energy analytics, and more. We're seeking those who are passionate about creating change through technology and who want to make a lasting impact on the world around them. The salary range of this opportunity is $120,000 - $140,000 + bonus.

For more information, please visit www.alarm.com.

COMPANY BENEFITS

Alarm.com offers competitive pay and benefits inclusive of subsidized medical plan options, an HSA with generous company contribution, a 401(k) with employer match, and paid holidays, wellness time, and vacation increasing with tenure. Paid maternity and bonding leave, company-paid disability and life insurance, FSAs, well-being resources and activities, and a casual dress work environment are also part of our outstanding total rewards package!

Alarm.com is an Equal Opportunity Employer

In connection with your application, we collect information that identifies, reasonably relates to or describes you ("Personal Information"). The categories of Personal Information that we may collect include your name, government-issued identification number(s), email address, mailing address, other contact information, emergency contact information, employment history, educational history, criminal record, and demographic information. We collect and use those categories of Personal Information about you for human resources and other business management purposes, including identifying and evaluating you as a candidate for potential or future employment, record keeping in relation to recruiting and hiring, conducting criminal background checks as permitted by law, conducting analytics, and ensuring compliance with applicable legal requirements and Company policies.

Notice To Third Party Agencies:

Alarm.com understands the value of professional recruiting services. However, we are not accepting resumes from recruiters or employment agencies for this position. In the event we receive a resume or candidate referral for this position from a third-party recruiter or agency without a previously signed agreement, we reserve the right to pursue and hire those candidate(s) without any financial obligation to you. **If you are interested in working with Alarm.com, please email your company information and standard agreement to** RecruitingPartnerships@Alarm.com.

JR102036

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