

Job Title: Embedded Linux Engineer

Location: The position is located in Plano, TX (Dallas Area)

Please email your resume to [hr@grandstream.com](mailto:hr@grandstream.com)

Summary:

The embedded Linux engineer will design and maintain embedded software for Grandstream's VoIP (Voice over IP) telephone and ATA (Analog Telephone Adapter) products. The employee will be expected to work with internal support and quality assurance teams to resolve product defects in a timely manner. The employee will also design new features for existing products based on customer feedback and sales requirements.

Essential Duties:

- Maintain and develop the following components:
  - Device driver code for Linux
  - Bootloader software
  - Firmware generation tools
  - Firmware upgrade system and device configuration tools
  - Core Linux userspace components (init, uClibc, eglibc, busybox)
- Integrate and assist in debugging vendor supplied packages for voice codecs
- Work effectively with a diverse team

Required Skills:

- C proficiency
- Strong debugging ability
- Ability to work effectively in a Linux environment.
- Basic knowledge of oscilloscope/logic analyzer
- Basic understanding of how to read a schematic, at a minimum the candidate should understand how digital circuit components are connected.

Desired Skills:

- C++, shell scripting
- Familiarity with SoC architectures
- GDB
- Revision control (git, cvs)
- Basic knowledge of SIP/RTP
- Basic knowledge of voice codecs
- Linux userspace programming
- Linux kernel experience (kernel build, and creating a device driver)

Required Education:

- BS in Computer Engineering or Electrical Engineering

Company Info:

Grandstream Networks is a leading manufacturer of IP voice/video telephony and video surveillance solutions. Grandstream serves the small-to-medium business and consumer markets with innovative products that lower communication costs, increase security protection, and enhance productivity. Our open standards SIP-based products offer broad interoperability in the industry, unrivaled features, and flexibility.

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