Job Title: Embedded VoIP Engineer

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

Please email your resume to hr@grandstream.com

Summary:

The embedded VoIP engineer will design and maintain embedded driver software for Grandstream's ATA (Analog Telephone Adapter), VoIP DECT, and high density gateway 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:

- The engineer will maintain and develop device driver code for Linux, covering SLIC and DAA parts that interface with the PSTN or terminal equipment (i.e., handset/DECT/fax equipment that attaches to the PSTN).
- Integrate voice/video codecs into existing framework and fine tune system performance.
- Assist the hardware team in debugging issues related to the analog interface
- Bring up hardware for new and existing products utilizing new analog designs and chipsets
- Integrate and assist in debugging vendor supplied packages
- Work effectively with a diverse team

Required Skills:

- C proficiency
- Strong debugging ability
- Basic understanding of analog circuits and circuit analysis
- Oscilloscope and DMM proficiency
- Ability to read and understand datasheets
- Signal processing concepts (sampling, FFT)

Desired Skills:

- FXS AFE circuits and debugging
- FXS/FXO analog testing and debugging
- 4-2 wire conversion related testing and tuning (trans-hybrid loss, ERL, RLR and SLR measurements)
- Audio flow design of PSTN systems: DTMF/CPT/CID generation as well as detection
- Familiarity with Bellcore/ETSI standards (knowing about compliance TIA-1063 testing is a plus).
- Knowledge in SW integration of third party codec drivers
- Familiarity with SoC architectures
- Revision control (git, cvs)
- Basic knowledge of SIP/RTP
- Basic knowledge of voice codecs
- Familiarity with Linux

Required Education:

- BS in Electrical Engineering prefered, BS in Computer Engineering acceptable

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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