Security Engineer;

Embedded C, Software/Hardware, STB Integration, Linux

Munich/Germany, Excellent Salary + Benefits.

An exciting opportunity has arisen to join a global, market leading software company who offer an impressive suite of video content protection products.

As the successful Security Engineer you will participate in the security integration of multiple award winning products into hardware platforms, for use by the company client's and partner's.

As the successful Security Engineer, your responsibilities will include:

- Designing software, test cases and processes to certify new security software and hardware components.

- Designing algorithms, protocols, ciphers and software modules to comprise security related functionality with a focus on client software, but having end-to-end application in mind.

- Designing/developing infrastructure for secure key management and signing.

- Carrying out bootloader and chipset integrations onto embedded platforms.

- Communicating with hardware manufactures re hardware integration tools/documentations.

- Assisting with implementation and hardware configuration security reviews.

- Drafting technical docs (design documents, integration manuals etc.).

- Setting up SDK's debugging environments and developing boards.

- Providing tier 3 technical support, when required.

- Correcting software defects and assisting with/doing technical breach analysis.

- Supporting other teams on product security and technical issues – product usage, sample, problem analysis etc.

Lodestar Recruitment

Guiding the way to a brighter future

<u>As the successful Security Engineer, you will ideally have:</u>

- 2+ years embedded software engineering experience in C (preferably with Linux or Android set-top boxes).
- Excellent communication skills (written and verbal) in English.
- Bachelor's degree in computer science, electrical engineering or equivalent field.
- Linux experience (bootloader to kernel to drivers to application programming).
- Good analytical and debugging skills.
- Basic knowledge of reverse engineering.
- Exposure to:
  -Low-level programming (bootloader, coding on hardware or on top driver level)
  -Cryptology (ciphers, certificates, signing processes etc.).
  -Secure hardware coding and configuration.

<u>Experience with any of the following would be an added plus:</u>

- DRM (Digital Rights Management).
- DVB (Digital Video Broadcasting).
- Copy control.
- ISO 7816 chip card technology.
- RS-232 programming.
- Experience coding in Java.
- SOA (Service-oriented Architecture).
- Video watermarking.
- Virtualization.
- Video conditional access systems.
- Security protocols, cryptology, PKI, SSL/TLS experience.
- Working knowledge of commercial security analysis and protection tools.
- German language proficiency.
- Video standards such as; DECE/UltraViolet, MPEG-2, MPEG-4, AVC, H.264, MPEG DASH, HTTP Live Streaming, PlayReady, Marlin and RTSP.

This is an excellent opportunity to join a market leading global corporation who are leading the way in video content protection!

For more information on this Security Engineer position or to register your application, **please contact Remi Damiani on +44(0)208 432 6408 or** Remi@lodestar-rec.com **now.**