Security Engineers Pvt.Ltd.

Firmware Developer (Embedded Systems),Pre-Sales Engineer,ELV Service Engineer

Job Profile Details

Placement Cycle	**ARKA JAIN University - Placements 2025-26**
Job Location	Kolkata & Pan India
Date of Visit	NA
Position Type	Full Time
Expected Hires	NA
Sector	NA
CTC	INR 180000 - 240000
Category	Level 2 - General
Description	1)Job Title: Firmware Developer (Embedded Systems)

Job Description:
We are looking for a skilled and passionate Firmware Developer to join our engineering team. The ideal candidate should have hands-on experience working with microcontrollers, communication protocols, and embedded systems. You will be responsible for developing, testing, and optimizing firmware for multiple hardware platforms including MCU boards and IoT modules.

Key Responsibilities:
Develop, debug, and optimize firmware for microcontroller-based systems (ARM, AVR, ESP series, etc.).
Work with serial communication interfaces such as UART, SPI, I2C, RS485.
Integrate Ethernet, Wi-Fi, and other communication modules into embedded solutions.
Write low-level drivers and interface modules for sensors, peripherals, and communication hardware.
Collaborate with the hardware and software teams to ensure seamless system integration.
Perform testing, troubleshooting, and debugging on hardware prototypes.
Maintain clear documentation for firmware, protocols, and development processes.
Support enhancements, performance improvements, and feature updates in existing embedded systems.

Required Skills:
Strong experience in Embedded C/C++ programming.
Hands-on experience with microcontrollers such as STM32, Atmel AVR, ESP32, etc.

Working knowledge of RTOS concepts.
Experience with hardware interfaces: UART, SPI, I2C, GPIO, ADC, PWM.
Familiarity with Ethernet communication and TCP/IP stack implementation.
Proficiency with debugging tools like JTAG, SWD, Logic Analyzers, and Oscilloscopes.
Good understanding of schematic diagrams, datasheets, and hardware design basics.
Ability to analyses problems, optimize performance, and write efficient firmware.

Preferred Skills (Optional):
Experience with bootloaders, OTA updates, and IoT device firmware.
Knowledge of BLE, Wi-Fi, MQTT, or other communication protocols.
Familiarity with version control systems (Git).
Experience working with cloud-connected embedded systems.

Eligibility:
Bachelors degree in Electronics, Electrical, Computer Science or related field.
Freshers are welcome to apply.

Salary- CTC is up to 15000-20000 based on interview

2) Job Title: Pre-Sales Engineer

Location: Chetla / Saltlake, Kolkata
Job Type: Full-Time
CTC- 15000-20000

Key Responsibilities:
Review tender documents and extract relevant commercial, technical, and legal information.
Prepare and submit pre-qualification documents, bids, and proposals in line.
Ensure timely submission of tenders and follow up on deadlines.
Maintain documentation and records of submitted and ongoing tenders.
Manage online tender portals and track published tenders.
Analyses bid results and assist in pricing and strategy decisions.
Assist in post-tender clarifications, negotiations, and contract finalization if required.

Key Skills and Competencies:
Excellent written and verbal communication skills.
Attention to detail and strong organizational ability.
Proficiency in MS Office (Excel, Word, PowerPoint) and tender portals (eProcurement, GEM, etc.).
Ability to work under pressure and meet tight deadlines.
Commercial awareness and basic contract understanding.

Qualifications:
Diploma/Bachelors Degree in Electronics/ Electrical.
Proficiency in MS Office, Excel, and design tools.

3)Job Title: ELV Service Engineer

Location: Pan India

Job Type: Full-Time
CTC- 15000-20000

Job Summary:
We are looking for a motivated ELV Service Engineer to join our team and support the installation, maintenance, and troubleshooting of Extra Low Voltage systems such as CCTV, access control, fire alarm, public address, and networking systems. This role is open to both fresher with technical aptitude and experienced professionals with a proven background in ELV systems.

Key Responsibilities:
Install and service ELV systems including CCTV, fire alarms, access control, etc. Perform routine inspections, preventive maintenance, and troubleshooting of ELV equipment. Maintain proper documentation of service reports, installation logs, and client feedback. Ensure adherence to company safety standards and project timelines.

Eligibility Criteria:
For Fresher:
B.Tech/Diploma / ITI in Electronics or Electrical.
Basic understanding of low voltage systems like CCTV, alarms, and networking.
Willingness to learn, travel to sites, and work on various systems.

Website: www.seple.in

Open for Courses

- **Jain - Arka Jain University Jharkhand**
  B.Tech
  1. Electrical and Electronics Engineering
  2. Computer Science Engineering

Eligibility Criteria

B.Tech	*All students are eligible*
Work Experience Criteria	No work experience based criteria defined yet!
Allowed Genders	[Y] Male students [Y] Female students [Y] Other Genders
Backlogs	Students with backlog(s) not allowed

Hiring Workflow

Technical interview	*No Venue/Time specified*

Additional Info

No additional information