Efftronics Pvt Limited

Embedded Engineer / Software Engineer

Job Profile Details

Placement Cycle	**ARKA JAIN University - Placements 2024-25**
Job Location	Mangalgiri - AP
Date of Visit	NA
Position Type	Full Time
Expected Hires	NA
Sector	Information Technology
CTC	INR 400000 - 600000
Category	Level 2 - General
Description	TERMS & CONDITIONS:

1. There would be 2.5 years agreement with the company wherein the Candidate needs to submit all his/her original Certificates for the agreement period.
2. Training period would be for a maximum period of 6 months.
3. Stipend Rs.10,000/- per month during training period
4. Minimum of 75 % throughout their academics without any Backlogs

Below given is Job Description , Knowledge and Capabilities

required for each position :-

#1 Embedded Engineer

Job Role: The primary purpose of Embedded Engineer is to implement and test IoT based smart solutions and deliver outcomes within scope, quality, time, and cost constraints. Explore and evaluate new technologies, implement algorithms, develop test plans, and perform system testing.

Job Responsibilities:
- Work as a part of the product development team to develop IoT based smart products and solutions.
- Work hands-on with all aspects of research and development in identifying, exploring, and evaluating new technologies

- Follow Product Development Life Cycle, generate work products Design, Code, Test Plans, Test Reports, Manuals etc.
- Implement Algorithms
- Act as interface with R&D, production, and business arms to support customer project needs

Key Requirements:
- Minimum of 75% throughout their academics
- Good Knowledge of Analog Electronics
- Sound understanding of Digital Systems Proficient in truth table and state machine approaches
- Must be exceptionally good in C- Programming, testing/debugging and in advanced C-concepts like pointers, structures, unions, interrupts etc.)
- Proficient in usage of data structures as per program needs and shall be able to write algorithms
- Proficient in ARM microcontrollers and peripherals like - RS232, RS485, I2C, SPI, Ethernet, Bluetooth, Wi-Fi, ZigBee etc.
- Good knowledge about sensors and static characteristics
- Should be able to understand datasheets, its parameters and consideration of them in design
- Should be able to reverse engineer circuits / programs
- Good Knowledge of using IDE tools like Keil MDK ARM
- Good Knowledge of using Measuring instruments and tools Digital Multimeter, CRO, Function generators etc.
- Excellent mathematical skills.
- Good written and verbal communication skills
- Hands-on knowledge on MS OFFICE tools.

#2 Software Engineer

Job Role: The primary purpose of Software Engineer is to implement and test IoT based platforms/applications and deliver outcomes within scope, quality, time, and cost constraints. Explore and evaluate new technologies, develop Desktop/Web/Mobile Apps, implement algorithms, develop test plans, and perform system testing.

Job Responsibilities:
- Work as a part of the product development team to develop IoT based smart products and solutions.
- Work hands-on with all aspects of research and development in translating requirements, designs, wireframes into high quality code by collaboration with designers, engineers, senior managers etc.
- Follow Product Development Life Cycle, generate work products Design, Code, Test Plans, Test Reports,

Manuals etc.

- Implement Algorithms
- Act as interface with R&D, production, and business arms to support customer project needs

Key Requirements:

- Minimum of 75% throughout their academics
- Good understanding of Digital Systems Proficient in truth table and state machine approaches
- Proficient in programming either of Java, .Net, JavaScript, C#
- Proficient in writing algorithms using data structures as per program needs
- Sound understanding of software architectures
- Strong understanding of object-oriented design (OOD) and software development principles
- Strong understanding of computer architecture and operating system
- Sound understanding of data communication technologies and protocols
- Good Knowledge of using Visual Studio IDE and tools
- Excellent mathematical skills.
- Good written and verbal communication skills
- Hands-on knowledge on MS OFFICE tools.

Open for Courses

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

Eligibility Criteria

	Applicants must have obtained
B.Tech	75 % in Class 12th
	75 % in Undergraduate
	75 % in Class 10th
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

Online test *No Venue/Time specified*

Technical interview *No Venue/Time specified*

HR interview *No Venue/Time specified*

Additional Info

No additional information