

## Job Description: **Electronic Development Engineer**

Building up young talent pipeline is one of the key priorities of R&D organization for global competency center. We are excited in & committed to developing young talents & providing them with career development opportunities. During your career journey with us, you will be supported & coached by technical experts, mentored by senior leaders, and learning through various projects & substantial training & development opportunities from this global platform.

As an Electronic Development Engineer, you are a part of the global R&D and being a pioneer member of global competency transformation project. You will be actively participating in global offer creating projects for Schneider Electric 's core product categories / solutions. You will be working with a global R&D team consists of system hardware design engineers and product engineers to solve cross-functional design dilemmas.

### **Responsibilities:**

- Develop electronic design to meet product specification
- Product verification and issue solving to ensure the quality
- Support on plant manufacturing
- Support on Validation and Certification
- Documentation for the design, such as BOM, Schematic, simulation results, design theory, verification plan and report
- Regular design status update to project design leader

### **Requirements:**

- Master or above with Electrical or Electronic related major
- Solid skills on analog circuit design such as operational amplifier, ADC and power supply related circuit
- Good skills on electronic design tools such as Candance, p-Spice and MATLAB
- Good documentation skills such as design and test documentation
- Good project management skills
- Strong verbal and written communication skill in English

Location: Shanghai , China

We offer attractive remuneration package to the successful candidates. Interested parties please submit your application with your full resume and expected salary to [queenie.yu@schneider-electric.com](mailto:queenie.yu@schneider-electric.com) asap.

(Personal data collected will be used for recruitment purpose only)

Applications will be kept confidential and used for recruitment purpose only. The Company will

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retain the applications for a maximum period of six months and may refer suitable applicants to other vacancies within the Group.

*About Schneider Electric*

Schneider Electric is leading the Digital Transformation of Energy Management and Automation in Homes, Buildings, Data Centers, Infrastructure and Industries. With global presence in over 100 countries, Schneider is the undisputable leader in Power Management – Medium Voltage, Low Voltage and Secure Power, and in Automation Systems. We provide integrated efficiency solutions, combining energy, automation and software.

In our global Ecosystem, we collaborate with the largest Partner, Integrator and Developer Community on our Open Platform to deliver real-time control and operational efficiency.

We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment.

At Schneider Electric, we call this **Life Is On**.

<http://www.schneider-electric.com>

## Job Description: Firmware Development Engineer

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As a Firmware Development Engineer, you are a part of the global R&D and being a pioneer member of global competency transformation project. You will be actively participating in global offer creating projects for Schneider Electric 's core product categories / solutions. You will be working with a global R&D team consists of system hardware design engineers and product engineers to solve cross-functional design dilemmas.

### Responsibilities

- Develop design for embedded software based on MCU/MPU
- Develop firmware design specifications in line with system architecture view
- Design and develop firmware using software development best practices
- Conduct testing of Firmware on HW platform for optimization and debugging of problems
- Facilitate communication on new ideas & presentations to other team members

### Requirements:

- Master or above with Electrical Engineering, Automation Control, Computer Engineering, or related major
- Solid skills on C/C++ coding and debugging on embedded platform
- Solid knowledge on data structure and algorithm
- Good understanding on peripherals like UART, CAN, SPI, I2C etc.
- Familiar with architecture of ARM core like Cortex-M3/M4
- Familiar with laboratory tools such as oscilloscopes, power supplies and multimeters
- Knowledge on python & shell scripts is a plus
- Knowledge on digital signal processing algorithm is a plus
- Good project management skills
- Strong verbal and written communication skill in English

Location: Shanghai , China

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