

## Introduction

Libattion is a young Zurich-based startup focused on integrating innovative battery technologies to accelerate the global transition to more sustainable storage technologies by reusing second life battery products. Our vision is not only to drastically reduce CO2 emissions, but also to reduce the procurement costs for energy storage solutions.

Our company is constantly growing, which is why we are mainly looking for new, experienced, but also fresh Hardware Design Engineer (m/f) 80-100%.

## Responsibilities

- Design, analyze and build embedded hardware level digital/analog circuit, specially BMS - Battery Management Systems to monitor and control lithium batteries, as well as PCB for controllers.
- Follow-up the PCB process from beginning to end, design-review-layout-production-assembly-test and certification.
- Work closely with material sourcing, PCB layout, embedded software and manufacturing engineers to ensure the product is reliable, and easy to manufacture.
- Field test of the final circuit designs.
- Customer training & knowledge transfer.

## Required experience and knowledge

- A minimum 2-5 years relevant experience plus the education listed below.
- A Bachelor's Degree in Electrical, Electronics Engineering or equivalent (Master's Degree preferred).
- HW design (Passive and Active), BMS design is a plus.
- Basic transistor/Op Amp amplifiers, optocoupler and circuits.
- Understand tolerances, temperature/voltage/current variations, and sensitivities.
- Design of switched mode power supply (different topologies).
- Masters one of the PCB design tool.
- Masters one of the circuit simulation tools.
- Masters different communication protocol (UART, CAN, RS485, ..).
- Software design is a plus.

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