

Hardware Engineer

Company: Virtualyyst

Location: Gurugram

Experience: 3–5 Years

About the Role

Virtualyyst is looking for a passionate and detail-oriented Hardware Engineer to work on next-generation embedded and IoT hardware systems.

The candidate will be responsible for hardware design, PCB development, system validation, debugging, and product development from concept to production.

Key Responsibilities

- Design and develop multi-layer PCBs for embedded systems
- Work on analog & digital circuit design (SPI, I2C, UART, USB, etc.)
- Perform hardware bring-up, debugging, and validation
- Collaborate with firmware, mechanical, and manufacturing teams
- Optimize power and signal integrity for embedded devices
- Support prototype builds, testing, and production validation
- Work on BLE, BLE Mesh, Wi-Fi, and power electronics design

Required Skills

- PCB Design & Schematic Development
- Embedded Hardware Systems
- Analog & Digital Electronics
- BLE / Wi-Fi Hardware Design
- Power Electronics & Battery Management
- Debugging using Oscilloscope, Logic Analyzer, DMM
- Signal Integrity & EMI/EMC Understanding
- Altium / Cadence Allegro

Qualifications

- B.Tech / M.Tech in Electronics Engineering or related field
- 3–5 years of hands-on hardware development experience

Good to Have

- Experience with production-scale hardware
- Exposure to FCC / CE compliance testing
- Embedded systems and wireless SoC experience
- Hardware & firmware interface debugging

