



## System Hardware Designer (m/w/d)

Sicoya is a technology leader in silicon photonics based interconnect solutions with headquarter in Berlin, Germany. We offer monolithically integrated semiconductor chips and transceivers for next generation data centers that are manufactured by CMOS foundries and Asian based contract manufacturers. The team consists of highly professional design engineers and managers with many years of experience in bringing state of the art products to the market.

As a **System Hardware Designer** at Sicoya, you will dive into a unique challenge, as you are involved in the design and the development of the next generation of optical transceivers.

Start: a.s.a.p.

Employment: to be defined

Experience: 3+ years of experience

### Responsibilities:

- Designing optical transceiver modules at 100Gbps, 400Gbps and beyond in Sicoya's Silicon Photonics technology
- Analog hardware and high-speed PCB design, modeling and simulations, characterization of optical and electrical performance of modules
- Development of test platform for transceiver evaluation and qualification
- Drive failure analysis to reach design solutions and corrective actions
- Close collaboration with the packaging process development and quality assurance teams
- Testing and documentation

### Requirements:

- Master's degree in Electrical Engineering or related field
- Related experience in optical transceiver development
- Experienced in analog hardware designs, such DC-DC converters, level shifters, analog control loops, etc.
- Experienced in high-speed electrical interface design and test
- Knowledgeable on transmission line theory and signal integrity
- Familiar with EDA design tools for PCB design, RF/SI simulations, analog designs etc.
- Familiar with related industrial standards and MSA
- Proactive problem solving skills
- Team player that thrives in a dynamic working environment
- Professional working proficiency in English is mandatory and knowledge of German is an asset

### What we offer:

- High degree of personal responsibility within a flat company hierarchy
- Ambitious internationally expanding team
- Various future carrier opportunities for every career level
- A Relaxed and inspiring working environment with flexible working hours, lounge area, free drinks and fruits
- Fascinating opportunity in an international high-tech environment in Berlin



Are you interested in working with us? Then we may just be waiting to hear from you. Please send us your CV and a motivation letter by email to: [jobs@sicoya.com](mailto:jobs@sicoya.com)

Sicoya is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to gender, race, color, ethnicity, national origin, religion or belief, sexual orientation, disability or age.