Job Offer: Application Hardware Engineer

3db Access AG (3db) is an ETH spin-off founded in 2013. It originates from the System Security Group in the Department of Computer Science.

3db is fabless semiconductor company and develops an integrated ultra-low power single chip UWB technology for centimeter-precise secure distance measurement and positioning. 3db UWB IC enables security-critical applications including keyless access control to vehicles, buildings, and mobile payments as wells as numerous applications which require centimeter-precise indoor and outdoor localization for tracking and navigation such as industrial and home automation, wearable technology, and IoT.

We are looking for a strong candidate to join our team in Zurich. Responsibilities include:

- IC characterization and measurement for automotive and industrial ICs
- Design and develop hardware for evaluation kits and demo hardware for distance measurement and localization
- Optimize and standardize lab setup
- Develop test scripts
- Support the initial set-up of the chip production test
- Application support
- Write detailed technical reports and documentation

Requirements for the position:

- MSc/BSc in Electronics including academic project experience with integrated circuits
- Embedded software development is a strong plus;
- Experience with PCB design is a strong plus
- German and English language working level;

Benefits for working at 3db:

- Get broad learning experience thanks to working in a very motivated expert team;
- Get hands-on on a complex ASIC and get deep understanding of it;
- Develop yourself as an expert in application of precise localization and distance measurement;
- Area of precise localization and real-time localization systems (RTLS) is a high potential market. Deep knowledge in that area is considered as high value asset;
- Flexible working times;

If you feel like you have the right background and mindset to join a fast developing start-up, just drop an email with your CV, curriculum and project experience to Boris Danev, boris.danev@3db-access.com.

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