



Job Advertisement – Application Engineer/ Senior Application Engineer

JSAB Technologies Limited is a high-tech company established in Hong Kong in 2007, specializing in the design, research and development (R&D), and sales of **power semiconductor devices**. JSAB is founded and led by a prestigious professor who is the only IEEE Fellow in the field of silicon based power semiconductor in the Greater China Region. JSAB possesses an outstanding technical team which includes PhD holders graduated from prestigious universities in North America and Hong Kong, and professional engineers worked in top semiconductor companies in US, Japan or Taiwan. Moreover, JSAB strategically cooperates with the Hong Kong University of Science and Technology to further enhance her R&D capability.

The technical expertise of JSAB covers R&D, technology innovation, device design, process development, failure analysis, quality and reliability assurance, yield control and enhancement, etc. A series of patented technology platforms including Trench Field-Stop IGBT, Shielded-Gate Trench (SGT) MOSFET, and Planar MOSFET, have been successfully developed. The products are manufactured at top semiconductor foundries and packaging factories to ensure their quality and are widely used in a variety of applications such as power management, motor control, etc.

We are currently looking for **Application Engineer/ Senior Application Engineer**. Major duties include:

- Provides technical support for power module customer and Design house.
- Follow up customer project development activities.
- Responsible for the failure analysis of customer returns.
- Prepare and maintain any technical documentation for the projects and design tracking report.
- Provide application support to customers with occasional travel.

Requirements:

- Bachelor's degree or above in Electronic Engineering, Computer Science or other related engineering disciplines with background in microelectronics and semiconductors.
- Experience in Analog and power applications.
- With knowledge on hardware design, FPGA system application and related system interface.
- Familiar with C/C++ programming language with knowledge in hardware circuit and schematic, able to use electronic equipment.
- Familiar with PCB CAD tools (e.g. Mentor PADS, AutoCad) is an advantage.
- Knowledge in semiconductor devices such as diodes, MOSFETs, IGBTs, etc. will be a plus.
- Knowledge and experience in failure analysis on power device and modules will be a plus.
- Knowledge and experience in test development of ATE system for power device or modules will be a plus.
- Experience in PADS Schematic Capture, PCB layout and AutoCAD skills will be a plus.

Our office is located at the beautiful campus of the Hong Kong University of Science and Technology at Clear Water Bay. We offer good career path, diversified work exposure and competitive remuneration package. Interested parties please send detailed resume with expected salary by email to hr@jsab.com.hk.

Please visit www.jsab.com.hk for more information of the company.