

JOB TITLE: Photonics Integration Engineer

JOB LOCATION: Singapore

EMPLOYER DESCRIPTION:

AMF specializes in customizable prototyping and volume wafer manufacturing services for Silicon Photonics integrated circuits. AMF manufacturing services are the back-bone technology to a global customer base in the emerging markets of Data Centers, Telecom, Automotive, Medical and environmental sensors. AMF offers Foundry services which enable customers to develop and manufacture integrated Photonics Chips for a broad range of applications – Cloud computing, Cloud security, 5G communications, Autonomous Vehicles and Diagnostic chips. AMF services are offered in the format of customizable technology platforms based on Silicon, SOI (Silicon On Insulator), SiN (Silicon Nitride) & Germanium materials.

JOB DESCRIPTION

We are hiring a highly motivated, hands-on **Photonics Integration Engineer** for the Photonics Integration Platform Development and Optimization.

You will be involved in silicon photonics integration platform development through design, fabrication and testing. You will be working with an excellent multidisciplinary team from photonics and FAB.

Job Responsibilities

- Investigation of new photonics materials and design the integration flow.
- Device fabrication using this material with the associated integration flow.
- Independently carry out test to determine device design and performance.
- Test result documentation and performance analysis
- Performs other duties as assigned. Duties will vary according to the project progress and/or the specific goals of the company.
- Collaborate with project team members to ensure device meets specification and verify device's performance.

JOB REQUIREMENTS

- Minimum Diploma in Electrical and Electronics or BEng (Electrical/Electronic/Mechanical/Material Sc) or BSc (Physics/Chemistry) and above.
- Preferred 1 years of hands-on experience in semiconductor fabrication process and integration.
- Strong self-motivation and interest on photonics Integration.
- Strong oral and written communication skills and demonstrated ability to work in a team-oriented environment.
- Be able to work on 12 hours rotating shift.
- Problem analysis and problem-solving skill.

CONTACT DETAILS:

Please send a copy of your latest CV and Resume to hr@advmf.com