



## PR/095126 | Senior / Principal Laser Development Engineer

### 募集職種

#### 人材紹介会社

ジェイエイシーリクルートメント シンガポール

#### 求人ID

1540480

#### 業種

電気・電子・半導体

#### 雇用形態

正社員

#### 勤務地

シンガポール

#### 給与

経験考慮の上、応相談

#### 更新日

2025年05月20日 12:18

### 応募必要条件

#### 職務経験

3年以上

#### キャリアレベル

中途経験者レベル

#### 英語レベル

ビジネス会話レベル

#### 日本語レベル

ビジネス会話レベル

#### 最終学歴

短大卒：準学士号

#### 現在のビザ

日本での就労許可は必要ありません

### 募集要項

#### Company and Job Overview

This ambitious company aims to establish themselves as the worldwide leader in chip-scale photonic solutions by applying optical technology to ensure the seamless integration of electronics and photonics across a wide variety of vertical market applications.

#### Responsibilities

Design and develop optoelectronics devices, including but not limited to FP lasers, DFB lasers, gain chips, SLEDs, semiconductor optical amplifier, electro-absorption modulator/laser, photonics integrated circuits and their packaged modules, as well as photonics systems such as external cavity lasers to meet design goals and requirements.

Perform simulation of optoelectronic devices (CrossLight, ALDS, Optiwave), optical ray tracing (Zemax, Optalix), thermal (Solidworks) and electrical (5Spice) properties of optoelectronics devices

Analysis of optoelectronics device epi growth and wafer fabrication process integration, device functional and reliability performance characterization and test results, referencing to the state-of-art, simulated performance, data-mining internal test-results database, and refine design, fabrication specifications, and simulation model and parameters to optimize fit between design and measured outcomes

Report generation of design and simulation outcome with support of experimental data, where available

Build up database of optoelectronics device design white papers, and management of all design documentation repository.

Maintenance of all engineering software, as well as training of new users to the respective software

Define and develop device test and characterization methodologies to extract basic intrinsic parameters of optoelectronics devices

All other reasonable duties, as assigned

#### Job Requirements

At least bachelor's degree in electrical engineering or equivalent fields

Minimum 3 years' working experience with technical background in optoelectronics and wafer fab processes in optical laser component, photonics device system and sub- system

Proven working experience in optoelectronics design and program/project management in the manufacturing industry

Catherine Qu  
JAC Recruitment Pte Ltd  
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EA Personnel Name: QU QIUSHI

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#countrysingapore

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会社説明