



## Job Description - mmWave Designer

**About Arralis:** Arralis is a rapidly scaling technology company, providing world leading expertise in RF, micro and millimetre-wave technology. Arralis' core focus is in W, Ka and E bands where it is building fully integrated RF front ends. Arralis designs and manufactures MMICs, modules and antennas for these bands and provides fully integrated systems for vision and radar applications. Arralis' products, which are the ultimate in precision and innovation, are used in both global and space environments where accuracy and reliability are critical.

**Location:** Swindon, UK.

**Salary:** Commensurate with experience and ability. Pension scheme and share option scheme.

### Ideal Candidate:

- Degree level education in electronics with MSc or PhD in a microwave or millimetrewave subject
- Five years or more experience in mmics design and mm-wave RF integration
- Millimetre wave IC design and packaging
- Can show examples of PAs, LNA and Phase shifter previous designs
- Experience of SiGe, CMOS, GaAs and/or GaN technologies
- RF system design and component specification
- Understanding of RF transceiver architectures and phased array
- Multilayer pcb design experience using Altium or similar
- Managing pcb fabrication and tracking capabilities across multiple vendors
- Multilayer integration technologies e.g. LTCC
- Familiarity with manufacturing and assembly rules
- Understanding of thermal design and analysis
- Creating assembly and test documentation
- RF measurement including on-wafer and connectorized measurement and characterisation of Power amplifiers, LNAs, mixers MMICs for small and large signal performance
- Fluency in design tools such as ADS, Cadence, CST or MW Office
- Be a confident self-starter and a proficient team player
- Be resourceful with new ideas and applications
- Understanding of digital modulation methods

### Office Address

Arralis Technologies Ltd,  
Pure Offices,  
Kembrey Park,  
Swindon,  
Wiltshire, SN2 8BW,  
UK.

T. +44 1793 239670  
sales@arralis.com  
www.arralis.com

### Registered Address

Arralis Technologies Ltd,  
ECIT Building,  
Northern Ireland Science Park,  
Queens Road,  
Queen's Island,  
Belfast BT3 9DT,  
Northern Ireland.

### Company Director

Michael Gleaves



**Plus to have:**

- Experience with digital systems/circuits
- Programming skills in Python, Matlab, C/C++
- Wireless/digital communications or Radar background