

# Driving decarbonization and digitalization. Together.



## Principal/ Lead Principal Engineer Yield & Product Engineering

### Job description

Our team operates globally and values agility, flexibility, and collaboration with individuals from diverse cultural backgrounds across the world. We are currently in search of a Lead Principal Engineer for Yield & Product Engineering to join us in a technical leadership role. As a part of this position, you will have the opportunity to contribute to our organization's digitalization roadmap, while also focusing on people development and building relationships with individuals at all levels.

In your new role you will:

- Responsible for a **portfolio of IC products** to support increasing volume in Infineon.
- Responsible for **Continuous Backend Yield Monitoring, Cost Reduction & Quality Improvement**.
- Implement **Statistical Part Average Testing, Dynamic PAT & Advanced Maverick Screening Methodologies on Non Turnkey parts in Infineon**.
- Develop **Metrics to Monitor In-line Process & Final Test** performance monitoring.
- Work to **develop Data Automation Roadmap** to enable tools to improve Product Engineering job efficiency & analytics capabilities.
- **Work with Product Engineering Tools team** to deliver new and efficient tools for Product Engineers (PE).
- Be a **Data Analysis Subject Matter expert in APAC** region & deliver training to Infineon, Product & Test Engineering.

### Profile

You are best equipped for this task if you have:

- **Bachelor Degree or Master Degree** in Computer Science, Data science or Statistics or Electrical engineering, Electronic, Microelectronics.
- **More than 4 years' experience in Advanced Data Analysis** and/or Product Engineering background **dealing with Power devices (IC, MCM etc.) in High Volume manufacturing**.
- **Excellent people leadership skills**, good team player with good interpersonal skills.
- Experience in data tools such as JMP, Spotfire, CEDA, Galaxy Examiner, KNIME. (Data analytic & tools)

### At a glance

Location: **Singapore (Singapore)**  
Job ID: **HRC0768245**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0768245**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



- **Knowledge of advanced scripting languages** such as SQL, R, Python and advanced **graphing & visualization, advanced statistics & modelling.**
- Knowledge of **Machine Learning Knowledge is a plus.**
- **Candidate with strong experience may be consider for Lead Principal position**

## Benefits

- **Singapore:** Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Staggered working hours for normal shift employees ; Home office options, certain conditions apply.; Part-time work possible (applicable for normal shift employees); On-site day-care center; Medical coverage; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Paid sick leave according to law, personal accident & work injury insurance, long term illness leave; Retirement benefits, re-employment opportunities, employment assistance payment; Performance bonus; Provision of long haul transport for shift and shuttle services for office to defray transport costs

## Why Us

### **Driving decarbonization and digitalization. Together.**

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

### **We are on a journey to create the best Infineon for everyone.**

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant ´s experience and skills.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

