

Profile

R&D Electrical Engineer with 7 years experience in semiconductor process design & development in class-100 cleanroom. Worked with diverse range of materials, such as Germanium, Silicon, Indium Gallium Arsenide, Indium Arsenide, and polymers. Processing experience complemented with knowledge base in material, metrological, electrical and optical characterization methods, electrical detection & sensing methods, and semiconductor physics.

Core Competencies

- Semiconductor Process Development
- Business Development
- Device Characterization
- Product Development
- Yield Improvement
- Technical Writing

Successes

- Managed production lines worth **\$200K** for **infrared detectors and linear arrays in III-V semiconductors** and Germanium.
- Prepared and managed product technical datasheets, process reports, and process manuals in compliance with ISO9001:2008 quality management system.
- Designed, developed, and qualified wafer fabrication processes. Integrated and improved wafer fabrication processes for manufacturability, yield improvement, and new product prototypes.
- Conducted electrical, optical, and material characterization and data analysis for process and product yield improvements
- Negotiated with vendors, suppliers, and technical staff. Served as technical knowledge resource for sales and marketing staff.

Target Positions

- Senior Process Engineer
- Device Engineer
- Research Scientist
- Member of Technical Staff
- Senior Product Engineer
- R&D Engineer

Target Industries

- Photovoltaics
- Semiconductors Equipment manufacturers
- Consumer Electronics
- Foundry Services
- Chip Manufacturers

Target Company Profile

- Large, stable and established brand leader that is growing quickly that has integrity and has community involvement.
- Start-up that is looking for managers who can develop staff while getting the day-to-day deadlines met.
- Fast growing enterprise in an up and coming industry that is looking to expand its business continuity.
- Company that considers its staff to be an asset to its existence and prioritizes development from within.
- The next big 'thing' company.