

# Carlyle David

**System Engineer/hardware installation/contract manufacturing support - I.D. Systems, Inc**

Sewell, NJ - Email me on Indeed: [indeed.com/r/Carlyle-David/e614312c46261ac7](https://www.indeed.com/r/Carlyle-David/e614312c46261ac7)

## WORK EXPERIENCE

### **System Engineer/hardware installation/contract manufacturing support**

I.D. Systems, Inc - June 1999 to Present

Responsible for all aspects of Electrical Engineering from design concept, designing the architecture, component selection, design and development, prototyping, regulatory compliance, production release and on-going product and customer support.

- Contribute to the growth of the company by innovating and coming up with concept for new products and next generation product which would replace the existing product with better feature/function and lower cost.
- Responsible to introduce new product consisting of Propriety RF radio, Wi-Fi Modem and Cellular modem.
- Knowledge of various sensors which helps in better vehicle diagnostics.
- Manage the design in various element of electrical design like power, RF, digital and mixed signal circuits.
- Create Functional specification/requirement for the product based on customer needs and/or new technologies to meet all constraints related to product size and cost.
- Responsible to work with different manufacturer's to understand the new technology & select the best solution based on availability, price and size.
- Responsible to work with team of Engineers to design the schematic and PCB using Mentor Graphics' DxDesigner and PADS PCB tool.
- Work closely with different cross functional team -Marketing, Firmware, Mechanical, System test, Operations/ Production to make sure smooth functioning/transiting of the product through different phases from concept to Production.
- Responsible to get the product through various regulatory agency like FCC, IC, ETSI, CMIIT and safety regulation like UL, TUV to make sure the product meets the all the government Communication and safety regulations.
- Provide support to Operation team of new design till they are comfortable with the product.
- Responsible to come up Production test plan and work with Contract Manufacturer & Operation team to implement the tests.
- Participate in brainstorming sessions with customer service team to meet any custom requirement that customer needs.

### **FILTER TUNNING - September 1997 to June 1998**

Responsible for testing various frequency synthesizers for high frequency receivers used for military products.

- Worked with the Design Engineer to design L-band band pass filter with very low insertion loss and high rejection in the out band.
- Responsible to test new design in the prototype phase and document all the necessary changes for future production built.
- Responsible to make sure all the units were tested and passed the defined temperature test before it is shipped out.

## EDUCATION

Fairleigh Dickenson university

2001 to 2002

#### ADDITIONAL INFORMATION

- Personal
  - Detail oriented.
  - Excellent leadership and managerial skills.
  - Deliver under pressure.
  - Excellent Communications and Organizational skills.
- Computer
  - Mentor Graphics DxDesigner, PADS PCB, Microsoft Office, Microsoft Project, Outlook, Solidworks.