Jerry Squillante
181 Smithtown-Polk Blvd.,
Centereach, NY 11720
Home: (631)696-9274 Cell: (516)650–2538
Email: jerry.resume@yahoo.com Website: www.gennarosquillante.com

---

Qualifications Summary:

Motivated professional with more than 25 years of experience in consumer product design. I have been involved with all phases from concept, development to testing methods and procedures to ensure high quality products. Capable of working independently, or as part of a team, including leading a team and directing work flow. Very much a hands on type of engineer. Willing to push the envelope in both my career and the products I am involved in.

Experience:

Motorola Solutions / Zebra Technologies August 2013 - Present
Lead Electrical Engineer

Projects
- CS4070 – Wireless handheld barcode scanner primarily designed for the healthcare market.
- DS7708 – Vertical slot scanner designed for chain stores.

Responsibilities
- Create design from marketing concept.
- Hand off schematic of completed design to JDM for implementation.
- Work with JDM (joint design manufacturer) in Taiwan
  - Over saw JDM implementation of our design.
  - Offer guidance and solutions to problems encountered.
  - Review test plans and results. Alter design based on results.
  - Conduct weekly progress meetings.
- Verify implementation of design.
- Work towards improvements to meet customer requirements.

Key Accomplishments
- Hired as a contractor in August 2013. Offered full employment after three months.
- Selected as team leader to run meetings, when program manager is unavailable.
- Influenced the direction of new product design.

Quantum Instruments 1988 – August 2013
Senior Electrical Engineer

Projects (abbreviated list)
- Qflash TRIO – Shoe mount flash for Nikon and Canon cameras. More power and better quality of light compared to standard shoe mount flashes.
- Pilot, CoPilot – Wireless control module.
- Qlink – Wireless remote module for controlling equipment made by other manufacturers
- Qpaq – Portable high voltage (400v) power system.
- Qflash T2, T4, T5 – Portable studio type flashes.
- Repair and customer service system – Web based database for tracking customer repairs, technician repair times and actual repair cost vs. what the customer is charged.

Responsibilities
- New product design from concept to market.
  - Researched new product concept, determining best method of implementation
  - Prototypes, cost analysis, testing and proving the design
  - Worked with production to ensure products could be assembled in a cost effective manner
  - Developed testing methods and criteria for product reliability

    - Conducted field/beta testing. Modify products based on customer reactions
    - Assist in marketing, press releases and training
- Failure analysis
    - Lead contact for several large end users to diagnose and solve technical issues
    - Product life testing
    - CE approvals
- Product support
    - End user manuals, repair manuals
    - Product and repair test fixtures and methods
- Lead Engineer
    - Managed a group of engineers including hiring, performance review, daily supervision, salary administration, mentoring and training

Key Accomplishments

- Introduced Microcontrollers to our products
    - Existing products were analog based. Created new products that were a mix of analog, digital and microcontrollers.
    - Resulted in better performance, more features, and expanded sales.
- Repair System
    - Designed and implemented a web–based database for tracking customer repairs.
    - Database analysis resulted in improvements in repair quality, product reliability and increased revenue.
- PC Based Applications
    - Created applications for production and repair departments, resulting in increased efficiency and profit margins.
    - Created applications for customer to update products via USB.
- Field Test/Beta Test Program
    - Created a field test program, to obtain customer reaction to new product design and features.
    - Product modifications resulted in a successful launch and more consumer friendly products.
- Automated Test Fixtures
    - Designed and built automated test fixtures for life testing of product and components.
    - Automated fixtures used in production, increased work flow and product reliability.
- Modify existing products for custom applications to meet outside manufactures specific requirements
    - Sinton Instruments – modified units for photovoltaic and silicon wafer testing.
    - NASA – modified units for Space Shuttle launch monitoring.
- In–House Publishing
    - Implemented in house desktop publishing of user manuals, tutorials and service manuals.
    - Resulted in better time management and increased margins.

Related Skills:

- Hardware: 8/16/32 – bit Embedded Microcontrollers (Microchip, Atmel, etc) ARM-Cortex. Peripherals (SPI, USART, I2C, USB)
- Circuit Design : Analog, Digital, RF, Wireless communication, Data acquisition, DC-DC converters, LED lighting
- Programming languages : Assembly, RISC, Visual Basic (VB), VBA, Java, C, C++, HTML, CSS, JavaScript, mySql, XBasic
- Software : MS Visual Studio, Mplab, Net Beans, Keil, IAR, DEV-C++, Alpha Five, TOAD, Navicat, MS Office (Word, Excel, PowerPoint, Access), Schematic and PCB design (PCAD, Cadence), DSO capture software
- Instrumentation : Logic analyzers, Digital storage oscilloscope (DSO), spectrum analyzer
- Desktop Publishing: Wrote end user manuals, tutorials, and service center repair guides
- Marketing : Press releases, product sell sheets, trade shows
- Management : Hiring, performance reviews, salary recommendations, resource allocation, project management and scheduling
- General: Excellent written and verbal communication, Ability to coordinate activities and establish priorities. Strong analytical reasoning, problem solving skills and decision making capabilities. A strong desire to continually learn and meet new challenges

Other Skills: FPGA, VHDL, Website design

Education:

State University of New York Stony Brook 1983 – 1987
B.S.E.E.

Suffolk County Community College 2009 – Present
Java, VB, HTML, CSS, MySql