

Miguel A. Carvajal

(561) 376.5543
2105 Lavers Circle #108
Delray Beach, Florida 33444

Email: miguelcarvajal@hotmail.com
LinkedIn: [shorturl.at/muBCH](https://www.linkedin.com/company/shorturl.at/muBCH)

Open to Relocation

Skills

- 22+ Yrs Experience
- Product Development
- Process Management
- Engineering Management
- Executive Decision-Making
- Business Development
- Computer Languages
- Marketing
- Aerospace, Military, Commercial Industries
- Bi-lingual
- International Team Leadership
- Motivated
- Databases
- Hardware
- Radio Frequency (RF) Technology
- Creative, Systematic, and Loyal
- Six Sigma & ISO
- Compliance
- Product Engineering
- MBA
- Operating Systems
- Programs

Employment

Logus Microwave

West Palm Beach, Florida

Leading Aerospace, Military, and Commercial Supplier enterprise which designs, manufactures, and markets Radio Frequency (RF) equipment. International Standard Organization (ISO) certified since 2007.

Product Manager

2005 – Present

- **Manages local and virtual engineering, marketing, production, and assembly teams**
- **Leads market analysis of 'RF switching' industry** to identify new business opportunities
- **Identification, plan, design, implementation and delivery of new line of products** for space applications that **generated 20% in revenue for the company** leading to the purchase of a state-of-the-art facility optimizing 'Lean Manufacturing' layout and production for double capacity from previous installations to new facility
- **Developed and implemented Power over Ethernet (POE) cloud-based systems** with Industrial Internet of Things (IIoT/ IoT) capabilities over a proprietary architecture running on desktops, tablets, and cell phones leading to the upgrade of 31% of the company's product lines
- Design and implement effective **Six Sigma and ISO Processes**
- Design and deliver in-house system to run **Aerospace, Military and Commercial test capabilities**; for multipactor, vibration and RF power in vacuum
- Substantially reduced products delivery time, eliminating dependency on third parties for the critical testing phase **achieving 27% capacity increase**
- Developed and implemented **Six Sigma Black Belt protocols** for Research and Development to deliver on-time documentation for the assembly floor which **increased quality by 37% and reduced assembly time by 20%**
- **Led the design team responsible for the successful certification** of "ISO 2008 and 2015 with Design" using quality control, materials management, Lean Manufacturing, and project management protocols tools

- **Research, Development, Testing & Production** using Waterfall or Agile management for new and existing products.
- **Created and implemented a software system (Portfolio Resource Management System – PRMS) to increase efficiencies across company operations, processes, and projects.** This program improves working dynamics for local and virtual teams, minimizing costs and maximizing effectiveness and quality.
- **Manages and oversees compliance of products** for on-time, and within-budget delivery, based on Logus Manufacturing, Lockheed Martin, Indian Space Program, Harris Corporation, and Raytheon specific benchmark requirements.

Senior Product Engineer

2003 - 2005

- **Designed and implemented an automatic test equipment system** for RF Switches which enhanced total production
- **Overhauled manufacturing process of multiple product lines** to facilitate end-user final assembly
- **Revamped troubleshooting system** to optimize response time to customers
- Enhanced product development time and quality by **implementing a system that communicates bi-directionally between electronic and mechanical design**

Transcontinental Wholesale

Delray Beach, Florida

Multi-million dollar commercial & government wholesale product broker for GSA Contracts.

Assistant General Manager

2000 – 2003

- Designed and implemented a comprehensive custom software application to integrate the functions of supply chain and product portfolio management, inventory, operations and sales
- Migrated operations to a client server domain system
- **Improved order fulfilment time by 80%** and increased product offerings from 50 to 2,500

Hytte, Inc.

Bogotá, Colombia

Multinational premier communications company providing products for Latin America.

Assistant General Manager

1995-2000

- **Created, configured, and installed a proprietary enterprise resource planning (ERP) solution** tracking accounting, technical department, software, Human Resources and Sales & Marketing
- Aforementioned **system deployed in 5 branches in Colombia as well as in Brazil, Venezuela, Panama and Mexico**
- Expanded product offerings by migrating to a fiber optic system (multiplexing to microwave channels) improving, quality and customer volume for increased revenues

S.E.T. S.A (Soluciones Especializadas de Transporte S.A.)

Bogotá, Colombia

Leading transportation company developing technology solutions in Colombia.

Project Manager

1993-1995

- Designed and developed electronic product lines to control vehicle occupancy, distance, and time for the public transportation systems

- Designed and implemented Radio Frequency Identification Device (RFID) platform to control tire inventory and parking access
- Designed and developed toll revenue system for the Ministry of Transportation

Education

MBA, International Business 2012
Florida Atlantic University, Boca Raton, Florida

Bachelor of Science: Electronic Engineering Degree 2000
St. Thomas University, Bogotá, Colombia
USA Validation by Josef Silny & Associates, Inc. (2004)

Academic Publication 2014
Carvajal, Miguel Angel, *High Power Microwave Switches for Space Applications: Design and Testing*. Mulcopim: European Space Agency Workshop. Valencia, Spain: The University of Valencia.

Certifications & Courses

2017: Florida Atlantic University	Agile & Scrum Training Project Management Agile Lean Six Sigma Black Belt Certification
2015: Massachusetts Institute of Technology (MIT)	Tackling the Challenges of Big Data
2011: National Instruments	Labview Connectivity
2009: Goldense Group, Inc.	R&D Metrics and Innovation
2007: Florida Atlantic University	Executive Project Management
2006: Palm Beach State College	Solidworks intermediate level
2005: Altium Corporation	Altium Training
2004: National Instruments	Labview Intermediate Courses
2002: O.S.E.B. Incorporated	Applications Development in NET
1999: Megatek	PCB Surface Mount & Manufacture Process

Platforms & Systems

Computer Languages: Labview .NET, Assembler, C Code Composer, Code Composer, HTML, CSS, Python, JavaScript, Machine Learning

Databases: SQL Server, Microsoft Access, Lotus Notes, Oracle

Hardware: PoE, PNAx Agilent - Network Analyzers, Spectrum Analyzer, RF Power Amplifiers, Vacuum-Altitude, Temperature, EMI and Vibration Chambers, RFID Systems, National Instrument PXI and PCI Boards, GPIB, TI Microcontrollers MSP430 - Tiva(ARM32), Memories, Sensors, RF - Microwave Switches, Microwave Routing Mono-Channel, Network Installation, CNC Machines, Kuka Robots

Operating Systems: Windows Server (2000- 2010), Windows, MAC, Linux

Programs: GIT, Minitab, Quality Companion, HFSS, FEST 3D, Spark, MS Project, NI Development Suite, Altium, Solid Works, HFWorks, MS Office, Adobe

Systems: IOT, IIOT, PMI Protocol, Agile, Six Sigma, Lean Manufacturing, ISO Design, PLM Systems