

**Name / Email:** Ruperto A. Arrieta Jr. ECE mailto: totoarrieta@yahoo.com

**Profession / Lic. :** Electronics and Communications Engineer E.C.E. # 2770, RP

**Education:** B.S.E.C.E. (BS in Electronics and Communications Engineering) with (3 Units) M.S. in Information Technology

**Passport:** No: XX2138019 valid up to September 26, 2014

**Driving License:** N04-87-053571, restriction 2, expires July-27, 2014

**Cell-Phone no.:** (+63-927)-517-7138

**Age/Sex/CS:** 51 / Male / Married

**Birth:** 27-July 1961, Manila

**Height/Weight:** 170 cm 79 Kg (5'7", 173lbs)

**Blood Type:** "O"



**Education:** B.S.E.C.E. with (3 Units) M.S. in Information Technology

<b>College (Tertiary)</b>	Bachelor of Science in Electronics and Communications Engineering. (BSECE) Graduated with Distinction Award (Batch of 1983)  <b>Don Bosco Technical College (1978-1983)</b>
<b>High School (Secondary)</b>	Member of Electronics Group 1971-1978 Conduct Awardee, Rank Capt. (Citizen Army Training Program), Member of Christian Sodality and Music Club. <b>Don Bosco Technical College (1974-1978)</b>
<b>Elementary (Primary)</b>	Religion and Swimming Competition Awardee, Member: Music Club, Graduated: "First Honorable Mention" <b>Don Bosco Technical College (1968-1974)</b>

**Job Summary:**

- System Engineer, CGISS Wireless, Fixed and Mobile Equipment (APCO 25 / P25)
  - Motorola Solutions Philippines Inc. , Nov 2010 to present
- Sr. Project Engineer, Online Data warehousing (data operations (ETL) blockshopper.com)
  - Internet-based-based , online Feb 2005 to Nov 2010
- Sr. Project Engineer (web-site setup and authoring, data entry/encoding (CAD) and translation)
  - Home-based-based , online Feb 2005 to Present
- Section-in-charge for Field Operations/ Maintenance of GSM BSS
  - Digitel Mobile Philippines (a GSM service provider) Nov 2002 to Feb 2005
- Project Engineering Contractor, CGISS, Motorola Electronics Pte Ltd.,
  - Manila from Dec. 1998 to Nov 2002 (as RAAJ Telecomm Solutions (consultancy))
- Senior Project Engineer, (E8), CGISS, Motorola Electronics Pte Ltd.,
  - Singapore Feb. 1994 - Nov. 1998
- Service Engineer (E4), LMPS Service Center, Motorola Electronics Pte Ltd.,
  - Singapore, Sept. 1993 - Feb. 1994
- Field Service Engineer, (UNTAC)

- United Nations Transitional Authority in Cambodia through Motorola Electronics Pte Ltd., Singapore, Sept. 1992 - Sept. 1993
- Technical and Maintenance Services In-charge, (a Family Business)
  - Dealing in Letterpress printing and food processing, Jan. 1990 - Sept. 1992
- FNE Installation Team Chief, Ministry of Interior, Kuwait
  - Through Al Khaldiya Trading and Contracting, Jan. 1989 - Jan. 1990
- Technical and Maintenance Services In-charge, (a Family Business)
  - Dealing in Letterpress printing and food processing, Apr. 1988 - Jan. 1989
- Communications Specialist, Ministry of Finance (K.S.A.) NCFEI
  - National Center for Financial and Economic Information through Litton Saudi Arabia through Lagdameo and Associates, Oct. 1987 - Apr. 1988
- Computer/Communications Design Engineer, Servotrade International Inc.
  - (A Philippine-based telecommunications and industrial trading company), Feb. 1986 -Oct. 1987)
- Computer Maintenance Engineer, Philippine Encoding Corporation
  - (A Subsidiary of Manila Electric Company), Oct. 1983 - July 1984
- Technical Interviewer, Manpower Placement Information System
  - (A Subsidiary of Manila Electric Company, July 1983 - Oct. 1983
- Resource Speaker for Industrial Technicians, Meralco Foundation
  - (A Subsidiary of Manila Electric Company, Feb. 1983 -July 1983
- Technical Instructor, Industrial Technicians Center, Don Bosco Mandaluyong
  - July 1982 - Feb. 1983

**Seminars and Trainings Attended:**

- Motorola ATEX Digital Radio – L2 repair and programming - Motorola Malaysia
- Motorola Astro 25 (APCO 25) MSO troubleshooting and maintenance - Motorola Malaysia
- Motorola SmartNet™ Trunking System – Motorola Singapore
- Motorola SmartZone™ System O&M - – Motorola Singapore
- Microwave Systems and Equipment Tuning – Motorola Singapore
- System Integration Course (2-way Radio Systems) – Motorola Singapore
- System Integration Field Academy – Motorola Singapore
- Motorola Console Design Advisor Software– Motorola Singapore
- Basic 2-way Radio and Trunking Systems– Motorola Singapore
- Data Communications Problems and Solutions – HP Philippines
- Quantar™ Station User, Operation and Maintenance Training – Motorola Singapore
- iDEN™ EBTS Field Installation Training– Motorola Singapore
- Dimetra™ System Engineering (Motorola version of Tetra) – Motorola Singapore
- Leading Effective Meetings– Motorola Singapore
- Responsive Communications– Motorola Singapore
- Unix Fundamentals– Motorola Singapore
- Career Orientation/Planning– Motorola Singapore
- Uncompromising Integrity– Motorola Singapore
- Team Problem Solving– Motorola Singapore
- SAP User operations (Plant Maintenance) - – Digitel Phil.
- Sun Solaris (a UNIX-based O/S) Administration – Digitel Phil.
- DCRP/ Emergency Response Workshop – Digitel Phil
- Ericsson BTS Installation and Commissioning – Ericsson Phil.
- Time-Division Multiplex Systems – Teletra Philippines

**Miscellaneous:**

<b>Membership to Organizations</b>	Don Bosco Alumni Association, Mandaluyong Chapter <b>Previous:</b> Student Catholic Action, Toastmasters Club, Music Club and Media Club at School
<b>Main Hobbies</b>	Surfing the Internet, Web programming, readings and submissions on newsgroups
<b>Other Hobbies</b>	Guitar-playing, watching movies about “high-tech”, reading on business and management cultures
<b>Sports</b>	Table-tennis, swimming, billiards, basketball

<b>Countries Visited:</b>	<b>More than one year:</b> Kuwait, Cambodia and Singapore " <b>More Than one month:</b> Indonesia, Malaysia, Saudi Arabia, Bangladesh, Oman " <b>More than three days:</b> South Korea, USA, Taiwan, Thailand, Russia, Austria, Czech Republic, Guam, and Saipan (CNMI)
---------------------------	---

### **A List of Technical Training Conducted:**

Basic and Instrumentation Electronics **for Motorola Phil. and Intel Phil. c/o Meralco Foundation** (attended by Line operators and technicians)  
"Using the Motorola R2600™ Communications System Analyzer" with Saber (Secure) Radio Optimization for Royal Malaysia Police  
"Motorola SmartNet™ Trunking Concepts" and hands-on Training **For Cambodia MOI, South Korean Navy and PSA Singapore and Thailand Petroleum**  
"Motorola Centracom™ CRT Console System in SmartZone™ Trunking" **For Manila Electric Company, Manila**  
Motorola GM300™, GP300™ Radio Maintenance and Level 2 Testing **For PSA Singapore**  
WordStar™ (word processor, 1986) **For National Power Corporation, Manila**

### **Summary of Competencies:**

1. Two-way radio Trouble-shooting and Optimization for level 1, 2 and 3 and Field and Project Engineering Two way radio analog and digital (APCO 25/P25 and TETRA) trunking infrastructure. Strong IP knowledge/background including liaising with Cisco and Alcatel networks gurus. Test equipment used in the support of communication systems (IT) include protocol and communications analyzers Motorola R2670, Aeroflex IFR 3920 and Wireshark for Windows.
2. Standard RF-Coverage, wide-area coverage and simulcast transmission with voting receiver system. Troubleshooting, configuration and performance measurement for : Quantar base stations for conventional and Astro 25, GTR8000 mixed-mode conventional and Astro 25 TDMA, MCC7500 Elite console (local and remote), location system such as third-party AVLS auto-vehicle-location-systems interacting with MUPS (Motorola universal processing server)
3. GSM Maintenance Planning and Maintenance Implementation, Trouble-shooting for level 1 and 2 for GSM Alcatel BSS equipment and SDH/PDH backhaul equipment. Micro-wave knowledge and maintenance experience and RF propagation
4. Software design and coding for web-database applications (UML, OOP in Java, JavaScript, PHP, MySQL)
5. Installation and Configuration for LAN user and server PCs, hubs and proxies under Windows and Linux

### **Relevant Instruction Skills (Theoretical and Practical):**

1. Electronic Systems
  - a. DC Circuits, AC Circuits, Power Quality and Grounding, Craft-Related Mathematics, Codes and Standards, Semiconductors and Integrated Circuits, Wire and Cable Terminations
  - b. Basic and Advanced Test Equipment (e.g. VOM, Time-Domain: Oscilloscope, Frequency-Domain: Spectrum Analyzer, Code-domain: W-CDMA code channel power analyzer)
  - c. Basic Multiplex Systems e.g. TDM, FDM
  - d. RF Principles, RF Transmission Principles, RF Transmission Systems, Transmission Lines
2. Wireless Communication,
  - a. RF Communications, Antenna Systems and Lightning Protection
  - b. Microwave Communication Principles
  - c. Optical Communications
3. Telecommunications Systems, From Point-to-Point to Cellular Communications Systems,
  - a. Frequency Bands and propagation differences e.g. HF, VHF, UHF
  - b. modulations e.g. AM, SSB, FM, PSK, QPSK
  - c. optional multiple access e.g. TDMA, FDMA
  - d. diversities e.g. space or frequency
4. Information Technology
  - a. Microcomputers, Computer skills, Computer Applications, Computer Operating Systems
  - b. Data Communications, Buses and Networks, Digital Networks (T), Broadband Systems
5. Project Methodologies
  - a. Systems Integration (Interoperability and Compatibility), Site Survey, Project Planning, and Documentation, Rack Systems
  - b. System Configuration and Integration, System Analysis and Troubleshooting Techniques Equipment Test and Repair
  - c. Systems Commissioning, Acceptance and User Training, Maintenance and Repair

- For more information, please call Ruperto +63(927)517-7138 or mailto: [totoarrieta@yahoo.com](mailto:totoarrieta@yahoo.com)