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<http://www.microelektronics.com>

Personal Information:

Date of Birth:	April 2, 1972
Age:	35
Civil Status:	Married
Nationality:	Filipino

Expertise / Special Skills:

- Advanced knowledge in RF, Analog and Digital Electronics Design. From concept resulting to schematic diagram, PCB design, gerber outputs and working prototypes
- Advanced Embedded Bluetooth Software Development - based on Philips BGB203 and CSR Bluecore (2/3/5) Bluetooth chips.
- Advanced Embedded Systems Design and Programming on the following processors: PIC/Microchip (PIC14, PIC16, PIC18, PIC24 and DSPIC series), 8051 and variants, ARM7 (NXP BGB203 / LPC series) and Zilog Z8.
- Advanced Web-driven database applications programming with AJAX support using PHP with MySQL or MsAccess backend.
- Relational Database Applications Programming for Business using MsAccess and Visual Basic.
- Advanced knowledge in the following programming languages: C, Visual Basic, MsAccess, PHP web development, Javascript and MySQL.
- Intermediate knowledge in Bluecore Kalimba DSP and DSP applications programming.
- Knowledge CAD/CAM applications : CIRCAD, AutoCAD and SurfCAM
- Network and Systems administration on Unix/Linux and Windows 2000/XP operating systems.
- Advanced TCP/IP Networking, including WAN (Wide area networking) using WiFi equipments.
- Knowledge in Car computer On Board Diagnostics protocol programming (OBD2 and CAN).
- Knowledge on Nokia FBUS/MBUS protocol.
- Software virus detection, prevention and removal.

Work Experience:

Year 1990 – 1999

Computer Programmer / Systems Analyst / R &D Engineer-Supervisor

EURO-CB (PHILS.), INC.,
SFB No. 2 Mactan Economic Zone 1
Mactan, Lapu-Lapu City
<http://www.supertooth.fr>

- Developed business application software such Payroll, Accounting, Manufacturing, Purchasing and Inventory.
- Designed and developed embedded hardware and software for electronics products.
- Designed and constructed Printed Circuit Board (PCB) design for electronic circuits.
- Designed and developed Automated Test Circuits, Software and Jigs and for Production Line usage either embedded or PC based.

Year 1999-2003

Systems Manager

- Developed business application software such Payroll, Accounting, Manufacturing, Purchasing and Inventory.
- Manages and Administers servers, network and SQL database.
- Supports users on all IT related matters.

Year 2003-present

Independent Embedded Systems Consultant

EURO-CB (PHILS.), INC.,
SFB No. 2 Mactan Economic Zone 1
Mactan, Lapu-Lapu City
<http://www.supertooth.fr>

- Designed and developed Bluetooth enabled products.
- Designed and developed embedded hardware and software for electronics products.
- Designed and constructed Printed Circuit Board (PCB) design for electronic circuits.
- Designed and developed Automated Test Circuits, Software and Jigs and for Production Line usage either embedded or PC based.
- Maintains and upgrades current business applications software.

**Independent Computer Programmer / Embedded Systems Designs
Contractor to the following companies:**

Eco-Triangle Microsystems Co., Inc.

<http://www.ecotriangle.com.ph>

- Data logger / Multi-counter
- Large outdoor dot-matrix L.E.D. display controller
- Long duration expiry timer / clock.
- ANDON displays

Applied Expert Systems, Incorporated (APEXS, Inc.)

<http://www.apexvalue.com>

Manufacturer and distributor various electronic products and car monitoring systems.

- V-Count II - vehicle speed monitor / logger.
- Speedspy - OBD2 and CAN connected vehicle speed monitor.

MITECH - Borromeo Technology Holdings, Inc.

Manufacturer of and seller of attendance logging machines.

- Synchronized clocks - network of large display clocks time synchronized from a master clock or Mitech Logbox.
- Synchronized alarm - sound chime to PA system networked and time synchronized from a master clock or Mitech Logbox.
- Master clock - standalone master clock to synchronize network of time displays. Battery powered and low power consumption at 3uA standby.
- RS485 network hub

GLP Systems Automation, Inc.

Manufacturer of electronic devices for home, car and power applications.

- Smart appliance timer - automatically switches ON/OFF appliances on different time of the day. Configurable to 16 ON/OFF settings.
- SMS Power monitor - monitors voltage and current of a 3 phase power line. Sends SMS message to a cellular phone the readings upon receiving an SMS request. An SMS command also turns ON/OFF a relay to control a motor or breaker switch.
- SMS Car Alarm - a car alarm that sends SMS to owner if the alarm was activated, door was opened, or engine was started. Can also disable/enable back car engine by using SMS.

Developed web-driven database applications for the following companies:

- Skygo Marketing Corporation - web-based sales, order and inventory monitoring system.
- Don Mariano Transit Corporation, Roval Transit Corporation, Admiral Transport - bus ticket sales and ticket management system