

Rony B Chandran - Curriculum Vitae

(June 2009)



Name	Rony B Chandran
Date of birth	April 1, 1980
Gender	Male
Marital status	Married
Nationality	Indian
Known languages	Malayalam, English and Hindi
E-mail	ronybc@asia.com
Website	www.ronybc.8k.com
Educational qualifications	<p>National Trade Certificate in Electronics: - 1999, passed with 80% from Govt. ITI, Attingal (Under Department of Industrial Training)</p> <p>Pre-Degree (Mathematics, Physics, Chemistry): - 1997, passed from SN College, Varkala (University of Kerala).</p> <p>SSLC (Secondary School Leaving Certificate): - 1995, passed with 60%. Sree Chithira Vilasam Boys' High School, Chirayinkeezh.</p>
Work experience	<p>Since 1996 (12 years), as freelance Electronics repair technician.</p> <p>1999-2002 (3 years), as Technical assistant (networking) at STPI satellite earthstation (Software Technology Parks of India, Under Ministry of Information Technology, Govt. of India), Technopark, Thiruvananthapuram.</p> <p>Since 2002 (7 years), Computer technician, doing computer assembly and servicing for a business.</p> <p>2003-2007 (5 years), as Sound engineer and Technician in a television post-production studio, at Thiruvananthapuram.</p> <p>Since 2007, working as a R&D engineer (embedded systems) at e-Bird innovations, Thiruvananthapuram</p>
Familiar OS's	Linux , FreeBSD, Sun Solaris, Apple MacOS X, Microsoft Windows.
Linux experience	Linux programming, administration and networking. Programmed the 'fireworkx', pyrotechnics simulation program in XScreensaver collection (since ver. 4.19), comes along all major Linux distributions installed at millions of computers around the Globe.

Installed, configured and maintained RedHat Linux (and Sun Solaris) based web and mail servers in a government organisation for 3 years.

Familiar with IP routing using Linux kernel. Done many Linux installations for educational institutions and internet cafes. Promotes Linux and Free Software.

Electronics Experience

Have 12 years of extensive professional experience in repairing of consumer electronic appliances including Television receivers and CD players.

Embedded systems design using Microchip PIC family, Atmel AVR family and Intel 8051 family microcontrollers.

Analog circuits designing. Recently developed a very low distortion amplifier that gained much attention among international electronics hobbyists and audiophiles. The circuit has been designed with the help of circuit simulation softwares (SPICE) and it is published on my website www.ronybc.8k.com .

PCB designing using Orcad and Eagle CAD softwares.

Programming Experience

Assembly language programming of Microchip PIC family, Atmel AVR family and Intel 8051 family microcontrollers, x86 architecture microprocessors including Intel Pentium and AMD Athlon (MMX, SSE, 3DNow instruction sets).

Programming using CCS C compiler for Microchip PIC microcontrollers.

Win32ASM with MASM, Linux programming with NASM and GCC assembler. Windows Win32 API programming using VC++ and VisualBASIC. Linux programming with Xlib, svgalib, Qt, GTK+ and shell scripting and perl.

Have coded one of the screensavers in the '[xscreensaver collection](#)' available with most Linux distributions. Which is written entirely in C. The standalone version of it; 'Fireworkx' is posted as a Linux coding project at Freshmeat.net (<http://freshmeat.net/projects/fireworkx/>).

Networking Experience

3 years. While working as a Technical Assistant at STPI Satellite Earthstation (the prime Internet Service Provider at Technopark, Thiruvananthapuram), I was active with the installation, monitoring and troubleshooting of their networks consisting of various data communication devices including baseband, fiber optic, RF and satellite modems, ethernet hubs, switches, routers, multiplexers and bi-directional satellite communication equipments and their powersupplies, and troubleshooting instruments including bit error rate tester (BERT), spectrum analyzer, oscilloscope and multimeters.

Also gained fair understanding and experience in configuring and monitoring Cisco IP network routers (4000 series and 2500 series), LAN, WAN and IPLC over satellite (International Private Leased-line Circuits) networks during the same period.

Web Experience

Maintains a personal website (www.ronybc.8k.com , since 1999) which provides free technical advice and projects on Linux and Win32 assembly language programming and electronics. It includes a Pyrotechnics simulation program (fireworks) and a Network utility for Windows PC remote administration via telnet. The site is recognised by all major web search engines and it is qualified to be listed in google and yahoo web directories. It is one of the busiest and earliest personal websites from Kerala and gets an average of more than 10 hits per day since past 8 years.

Computer hardware experience

Long-term professional hands-on experience with most computer hardwares. Assembled and sold many and troubleshoot around a hundred machines including repairing of monitors, SMPS's and UPS's, since year 2000.

Hobbies and interests

Very much interested in photography, listening to music, knowing science related subjects. Understood Electronics and Computers by hobby reading and experimentations. Programming on Linux, DIY (Do It Yourself) electronics, a little astronomic observations and browsing the Internet. Wish to live in this world as long as possible, to see, to know and to do things... as much as i could.

Reference

Mr. Ramesh Kumar
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I hereby declares that all the information given above is true, according to the best of my knowledge and beliefs.

Rony B Chandran