

Curriculum Vitae - Rony B Chandran

(December 2010)

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| 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 | http://www.ronybc.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>Has been a freelance electronics repair technician since 1996. Now does computer related services at leisure times.</p> <p>1999 - 2002 (3 years, on contract): Technical staff (networking) at STPI satellite earthstation (Software Technology Parks of India, Under Ministry of Information Technology, Govt. of India), Technopark, Thiruvananthapuram.</p> <p>2002 - 2003 (1 year): freelance computer service technician; computer assembly, repairing, giving technical support and teaching.</p> <p>2003 - 2007 (5 years): Sound editor and Studio technician in a television post-production studio, at Thiruvananthapuram. Currently continuing technical support.</p> <p>2007 – Present: working as an R&D Engineer (Embedded systems developer, hardware design and programming) at e-Bird innovations, Thiruvananthapuram.</p> |
| Familiar OS's | Linux , FreeBSD, Sun Solaris, Apple MacOS X and Microsoft Windows. |

Linux experience

Linux programming and administration. Programmed the 'fireworkx', pyrotechnics simulation program in [XScreensaver collection](#) (since ver. 4.19), comes along all major Linux distributions; used in 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.

Done many Linux installations for educational institutions, internet cafes and homes. Gives people technical help over telephone and on site.

Electronics Experience

Have 12 years of extensive professional experience in repairing all types of consumer electronic and electrical appliances including Television receivers, VCRs, tape recorders and CD players.

3 years professional experience in developing embedded system designs using Microchip PIC family microcontrollers.

Analog circuits designing. Recently developed an opamp based very low distortion power amplifier design that gained much attention among international electronics hobbyists and audiophiles. The circuit has been designed using LTSpice circuit simulation software and it is published on my website; [ronybc.com](#) .

Familiar with Orcad, Eagle and DipTrace PCB design softwares. And Proteus ad LTSpice electronic circuit simulation softwares.

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

Programming Experience

Long term experience in programming using CCS C compiler for Microchip PIC family of microcontrollers.

Linux programming using Xlib, svgalib, GTK and Qt using NASM and GCC assembler and C. Linux shell scripting(bash). Website design using PHP ([ronybc.com](#)). Windows Win32 API programming in MASM, VC++ and VisualBASIC.

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

While working as a Technical Assistant (1999) 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

Running a personal website (ronybc.com, since 1999) posting 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 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 earliest personal websites from Kerala and gets an average of more than 10 hits per day.

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. Undertakes on site servicing.

Hobbies and interests

Very much interested in Linux, electronics, photography, listening to music, reading science related subjects, astronomic observations and browsing the Internet. Understood Electronics and Computers by hobby reading and experimentations. Wish to live in this world as long as possible, to see, to know and to do things... as much as i could.

For more glimpses of my technical skills, please go through the website <http://www.ronybc.com>

Reference

Mr. Ramesh Kumar,
Director,
Software Technology Parks of India - Thiruvananthapuram
(Under Ministry of Information Technology, Govt. of India),
PB No. 5517, Bakery Junction,
Thiruvananthapuram - 695034 Kerala, INDIA.

Phone : 0471 - 233 0707

URL : <http://www.tvpm.stpi.in>

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

Rony B Chandran