

# Chirag Kantharia

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SUMMARY	Hands-on software architect/tech lead with over 15 years experience in systems programming on Linux and FreeBSD. Expertise programming with C, C++, Shell, Perl and Python in UNIX environment. In my spare time, I like to read and write suckless software.	
PROFESSIONAL EXPERIENCE	<b>Juniper Networks</b> , Bangalore, India STAFF ENGINEER Nov 2004 – present Currently designing a <b>cross platform SDK</b> for data center customers to enable high IQ applications on Juniper switches. Designed and developed the <b>control plane software</b> , comprising of chassis management, line-card discovery, power management and software upgrade process, for several Juniper platforms including <b>M-series</b> , <b>MX-series</b> , <b>T-series</b> routers, and <b>CSE2000</b> . Delivered infrastructure for <b>In-Service Software Upgrade</b> with minimal traffic disruption for single-chassis and multi-chassis Juniper routers. Wrote diagnostics software for <b>Intel 1GbE NIC</b> . Wrote scripts to monitor the sizes of prime data structures across releases in JUNOS to help monitor the scaling limits. Board bringup of JUNOS on <b>M120</b> , <b>MX960</b> routers and <b>T4000</b> line card. Presented tech talks to developer community, reviewed several thousand lines of code.	
	<b>Hewlett-Packard</b> , Bangalore, India SENIOR SOFTWARE ENGINEER Jun 2003 – Oct 2004 Release manager for <b>Linux</b> device drivers for <b>Compaq CISS</b> and <b>Compaq CPQARRAY</b> hardware RAID cards for multiple Linux distributions including <b>RedHat</b> , <b>SUSE</b> , and <b>Debian</b> , across multiple architectures. Responsible for parallel cluster boot and process monitoring on <b>OpenSSI</b> . Assisted beta customers to help scale vendor applications on <b>OpenSSI</b> . Trained and mentored developers.	
	<b>Timesys Inc</b> , Bangalore, India LINUX KERNEL ENGINEER Mar 2002 – Apr 2003 Responsible for Timesys BSP on Embedded Planet SBC, IBM Walnut PowerPC SBC and on Applied Data Systems Graphics Client Plus SBC. Helped develop build infrastructure for Timesys Linux distribution bundled with Eclipse based IDE.	
	<b>Epigon Audiocare Pvt Ltd</b> , Bangalore, India SOFTWARE ENGINEER Dec 2000 – Feb 2002 Responsible for <b>Linux 2.4</b> & <b>Linux 2.2</b> device driver for <b>C-sound PCI music synthesis card</b> . Developed clean-room implementation of <b>Java Virtual Machine</b> conforming to subset of <b>J2ME</b> specification.	
PROGRAMMING	C, Python, Perl, BASH, CVS, SVN, GIT, Apache HTTPD, Gnats, RedMine, async/event-driven programming, distributed/grid computing, large scale software design, test-driven development.	
EDUCATION	<b>Indian Institute of Technology</b> , Mumbai, India. B.TECH COMPUTER SCIENCE AND ENGINEERING	1995–2000
CONTACT INFORMATION	201, Rahat Residency, Nagavarapalya-Varthur Road, C.V.Ramanagar, Bangalore, India mobile: +91 98455 68691	chyrag@yahoo.com kantharia.in/chirag linkedin.com/pub/chirag-kantharia/1/160/371 github.com/chyrag