

Chirag Kantharia

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	Juniper Networks , Bangalore, India STAFF ENGINEER Nov 2004 – present Currently designing a cross platform SDK for data center customers to enable high IQ applications on Juniper switches. Designed and developed the control plane software , comprising of chassis management, line-card discovery, power management and software upgrade process, for several Juniper platforms including M-series , MX-series , T-series routers, and CSE2000 . Delivered infrastructure for In-Service Software Upgrade with minimal traffic disruption for single-chassis and multi-chassis Juniper routers. Wrote diagnostics software for Intel 1GbE NIC . 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 M120 , MX960 routers and T4000 line card. Presented tech talks to developer community, reviewed several thousand lines of code.	
	Hewlett-Packard , Bangalore, India SENIOR SOFTWARE ENGINEER Jun 2003 – Oct 2004 Release manager for Linux device drivers for Compaq CISS and Compaq CPQARRAY hardware RAID cards for multiple Linux distributions including RedHat , SUSE , and Debian , across multiple architectures. Responsible for parallel cluster boot and process monitoring on OpenSSI . Assisted beta customers to help scale vendor applications on OpenSSI . Trained and mentored developers.	
	Timesys Inc , 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.	
	Epigon Audiocare Pvt Ltd , Bangalore, India SOFTWARE ENGINEER Dec 2000 – Feb 2002 Responsible for Linux 2.4 & Linux 2.2 device driver for C-sound PCI music synthesis card . Developed clean-room implementation of Java Virtual Machine conforming to subset of J2ME specification.	
PROGRAMMING	C, Python, Perl, BASH, CVS, SVN, GIT, Apache HTTPD, Gnats, RedMine, multithreading/multiprocessing, async/event-driven programming, distributed/grid computing, large scale software design, test-driven development.	
EDUCATION	Indian Institute of Technology , Mumbai, India. B.TECH COMPUTER SCIENCE AND ENGINEERING 1995–2000	
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