

Sanket Parmar

CONTACT INFORMATION

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www.github.com/sanketparmar/

SUMMARY

- Skilled professional offering an experience of 4 years in the IT sector
- Excellent analytic skills summed up with proficiency in C, Linux, Perl and Open source tools
- Experience in Kernel modules and Device driver development
- Actively working on development and support of RF/IP frontend device driver at STMicro-electronics(subcon)

EXPERIENCE

Sept 2012 - Present

Smartplay Technologies

System Software Engineer

Gr. NOIDA, India

Working with INPUTs subsystem team for set-top box at STMicroelectronics. Maintained RF/IP Frontend driver for STLinux Responsible for new hardware support and maintenance. Served as subsystem git integrator.

Jun 2011 - Apr 2012

STMicroelectronics

Intern

Gr. NOIDA, India

Worked on development and maintenance of audio driver for OS21 and linux for STB. Implemented new features to validate different components of audio driver.

Jul 2008 - Aug 2010

Merce Technologies

System Software Engineer

Mumbai, India

Part of product group division. Developed and supported different modules of Merce product. Key member of mass mailing product *Broadside*. Deployed and maintain whole system setup at client sides.

EDUCATION

Aug 2010 - Jul 2012

M.Tech in Information and Communication Technology

6.70 CPI

Nirma University, Ahmedabad, Gujarat, India

Aug 2004 - Jul 2008

B.E in Information Technology

7.21 CPI

GCET, Sardar Patel University, Vidhya Nagar, Gujarat, India

PROJECTS

RF/IP Frontend device driver for STB

- Worked on RF/IP Frontend device driver in STLinux on arm based STB
- Provided support for different tuners/demods for different broadcast transmission standards(dvbs, dvbc, dvbt)
- Improved IPFE performance using multithreading and various FEC/Jitter related optimizations
- Made tools to provide easy debugging/statistical information
- Automated different development using Jenkins CI

Audio device driver for STB

- Developed and maintained audio device driver for STB on OS21 and linux
- Implemented new development request for different parts of audio device driver

- Improved DDP parser for MS11 certification
- Worked on CRC based verdict generation to test different components of audio driver
- Automated firmware generation process

Broadside

Broadside is an automated mass mailing solution. It provides different facilities like bulkmail, mailing list, auto responder and MIS reports.

- Developed the logic and core code of the application
- Implemented daemons to check the status of each transmitters, track the applications's version
- Implemented bounce mail handler with bounce mail parser
- Implemented bulk uploader to upload the logs in postgres database
- Integrated DKIM key and Sender policy Framework in broadside

Messaging and Enterprise Resource Control Environment (MERCE)

MERCE is Linux based product to manage IT infrastructure of an organization with centralized admin control.

- Programmed the E-mail refile notification module which reminds the users to keep the inbox size in allowable limit.
- Implemented Password expiry module which allows admins to impose password expiry.
- Maintenance and on-site support

MASTERS THESIS

Parallel I/O Performance Optimization Using Interval Based I/O

Adviser Prof. Zunnun Narmawala, Nirma University, Ahmedabad

Description Propose a theoretical model which addresses the storage problem of application data in parallel file systems legacy view. We develop a new file model and required software infrastructure using MPI views and data layout awareness technique to distribute the objects on I/O servers.

COMPUTER SKILLS

Super	C, Shell script, Perl	Good	C++, Java, PHP, HTML
Passable	Python, Assembly,	Platform	Linux, Android
Tools	Vim, Git, GDB, Linux commands, Photo-shop	Database	MySQL, PostgreSQL, SQLite

INTERESTS

Software	Linux, Android and Open source	Embedded	Arduino, Raspberry Pi
Domain	Device Driver, Kernel Development, Set-top box	Other	<i>Blogging</i> , Photography

REFERENCES

Available upon request