

Vasudeva Sathish Kamath B

Specialties: Python, C, Shell Scripting, Debian
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Experience

March 2014 - Present *Senior Software Engineer (Development and Implementation)* [ABB India Limited](#)

Responsible for security, performance improvement, stability and maintainability of the whole intelligent solution product.

Static analysis of code using klocwork tool, identifying performance critical parts in components for security performance and stabilizing the end product.

Compiling additional hardware drivers by vendor for Linux kernel to introduce new hardware part into industrial PC.

Setting up Git VCS and Klocwork code review tool for the team and maintaining it.

July 2011 - February 2014 *Software Engineer at* [ABB India Limited](#)

Solution to replace old hardware in a running plant with new hardware without expert interference, involving C program, udev rule and boot customization of Linux.

Hardening Debian GNU/Linux for industrial PC for improved security, rate limiting, port blocking using iptables and configuration hardening for various system applications.

Tool for automating development of new OS based on Debian, using GNU make and shell scripting. Patching new Linux kernel in new OS with existing vendor patch.

Maintaining various components written in C/C++ implementing custom TCP/UDP protocols, and writing Wireshark extension for these proprietary protocols.

July 2009 - June 2011 *Systems Analyst at* [Invenger Pvt. Limited](#)

Designer and Developer of [iClaims](#) for the iPhone and to some extent in Blackberry. App is capable of filing new insurance claims and checking existing claim status for well known insurance company in US.

Designer and Developer of [Racontours](#) iPhone application which provides “Walking Tours” with audio and various pictures to the end user. Various tours for the application are implemented as in-app purchases.

Developing simple webservice using PHP for above application and setting up and maintaining VCS for application code using Subversion

Selected Open Source Contributions

Python Developer for [SILPA](#) project, a web framework for hosting Indian language computing Python modules. Completely redesigned from scratch using Flask micro framework. Tasks included separating the various computing module into independent Python modules. Source code is available on [Github](#).

Developer of [Jabber dictionary bot](#), which can be extended to fetch meanings in multiple languages

Debian I'm [Debian Maintainer](#) from December 2011 and have been maintaining packages in Debian from 2011. I maintain about 66 packages in Debian which can be seen on my [QA Page](#). I'm currently in the [NM process](#) to become a Debian Developer.

Misc My various contribution to Open Source world can be seen in my

[Ohloh account](#) and [Open Source report card](#).

Activities and Interests

Conferences Organizer for [Minidebconf 2011](#).

Various GNU/Linux advocacy program at my alma-mater for Kids and college lecturers

Teaching I've done teaching in Hindustani Tabla instrument for about 5 years.

I've mentored student for *Gsoc 2013* under organization [SMC](#) for SILPA project.

Music I've completed [Vidwat](#) degree in Hindustani Tabla.