

Bangalore, Karnataka, India

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EMPLOYMENT

SENIOR SOFTWARE ENGINEER

ABB INDIA LIMITED

JULY 2011 - PRESENT

- Skills: Proficient in C, Python, shell scripting, GIT, GNU Make, Linux Debian systems, iPhone app development. Experienced in C++. Basic familiarity with Go, PHP, Networking basics (TCP/IP), Linux drivers and kernel.
- Took end to end ownership of ABB's migration of the "Intelligent Solution Product" to a next-generation new hardware platform based on Debian Linux.
- Upgraded the existing system based on Debian for security, performance and stability.
- Evaluated device driver from vendors and integrated them into the build system and deployed them onto the device's Linux kernel.
- Responsible for evaluating the hardware vendor Linux kernel patches and integrating them into the new kernel.
- Designed and implemented automation tool using bash shell scripting and make build system for bootstrapping new OS for device.
- Introduced GIT version control system for the above activities
- Enhanced and maintained existing C and C++ based software modules
- Enhanced and maintained TCP/IP and UDP proprietary protocol extensions in the device networking stack
- Enhanced Wireshark extensions for the proprietary protocol stack
- Enforced good software engineering practices by use of Klocwork static analysis and code review tools.
- Expertise in analyzing performance bottlenecks, and improving the system performance.

SYSTEMS ANALYST

INVENGER PVT. LIMITED

JULY 2009 – JUNE 2011

- Designed and implemented iClaims application for iPhone and Blackberry (partially). The App is widely used for filing insurance claims for huge insurance companies in the US
- Designed and implemented the Racontours iPhone application for providing pictorial and walking audio tours for customers, with built in option for purchasing additional types of tours.
- Implemented a PHP based Web front end for Racontours, managed all the code in a Subversion version control system.

OPEN SOURCE CONTRIBUTIONS

- Developer for Python Indian Language Computing project SILPA. Entirely redesigned the framework in Flask micro framework, separating various python modules. Code hosted on Github.
- Developer of Jabber dictionary bot, which can be extended to fetch dictionary in multiple languages
- I am an official Debian Maintainer from December 2011. I am responsible for maintaining 66 Debian packages (as seen on my QA page). Currently undergoing NM Process to be a Debian Developer.

EDUCATION: BACHELOR OF ENGINEERING, INFORMATION SCIENCE, VISVESVARAYA INSTITUTE OF TECHNOLOGY, 2005-2009

Leadership/Organizing/Interests

- Organizer for Mini Debconf India 2011
- Volunteered with the SMC organization, as a mentor for a student for the SILPA project (Google Summer of Code 2013)
- Taught Indian drum "Tabla" for 5 years, holder of "Vidwat" degree in Hindustani Tabla.