

Nandeep Mali

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Objective

Developing my understanding of front-end engineering, web development system management, game design and operating systems along with continued contribution to open source community.

Experience

Sarai (<http://www.sarai.net>)

Open Source Program Management [June 2008 - Present]

Working on evangelizing Open Source Software and researching FOSS adoption in India. Done through organizing various introductory workshops for NGOs and NPOs and helping other communities in same domain foster. Funded by organizations like European Union (<http://www.flossinclude.org/>) and NIXI (<http://nixi.in>) Also involves managing the long running Sarai FLOSS Fellowships and helping Indian computing through localization and development of Indic tools.

National Institute of Public Finance and policy (<http://www.nipfp.org.in>)

Consultant [April 2010 - Present]

Helping in setting up infrastructure for DEA Research Program. System administration and developing web tools for collaboration and project management.

Slideshare.net (<http://slideshare.net>)

Consultant [February 2010 - Present]

Working on a project with various roles including system administration, front end engineering and requirements analysis. Using technologies like Puppet, Ruby on Rails, Jabber and Amazon Web Services.

Forums.com (<http://forums.com>)

Consultant [September 2009 - January 2010]

Worked on forums.com website. Wrote server side daemons in Python to handle high load and parallelize tasks. Involved working with Key-Value pair databases and Memcached. Worked with Amazon WS.

Google Summer of Code (<http://code.google.com/soc>)

Student Developer for Gentoo [2008]

Technical Mentor for Fedora [2009]

Co Mentor for Gentoo [2010]

Developed a web-based WYSIWYM (What-You-See-Is-What-You-Mean) editor for GuideXML (an XML flavor for Gentoo Documentation). Technically mentored a student in GSoC 2009 for Fedora to get it working for the Docbook XML format. Generally overseeing the mentor work in Gentoo in 2010.

Mossriver.net

Freelance Developer [April 2009]

Developed two Drupal/Ubercart Modules and patched another to enable 3DSecure transactions for above two merchant sites. The code was released under LGPL and was funded by Edward Terry (owner of Mossriver). (Links: <http://www.ubercart.org/contrib/10652> and <http://www.ubercart.org/contrib/10653>)

Miniorb (<http://miniorb.in>)

Freelance Developer [2006 - Present]

This is my personal website and a brand for my freelance jobs. Have developed several websites and worked on other web projects including designs and Wordpress themes for NGOs and companies. I also administer a dedicated server and provide web hosting, email services and Virtual Private Servers to several individuals.

Ministry of Information Technology – Delhi, India (<http://www.mit.gov.in/>)

Summer Trainee [June 2007 - August 2007]

An 8086 micro-controller was made internet aware by implementing uIP stack and wrote a serial interface driver on Linux for it's communication with a normal computer.

Community projects:

Beacon (<http://www.beaconeditor.org>)

Lead Developer [September 2008 - Present]

Continued from summer of code project, the tool gained traction and is now currently being developed with the help of several developers into a generic editor that will support a wider range of documents through a plugin based system along with support for real-time collaboration. Official part of Fedora repositories now and in the process of being included in Gentoo.

Project White Mod

Administration [January 2009 - August 2009]

A Creative Commons Licensed Mod made from the Unreal 3 Engine. Working with a diverse team of artists, mappers, sound engineers and developers around the globe.

Bootlimn (<http://code.google.com/p/bootlimn>)

Contributor [September 2008 - Present]

Started as a Google Summer of Code project for The Fedora Project and JBoss.org, the project uses SystemTap to gather system information, exports the information gathered to XML format, and renders a graphical image of the boot process along with the disk and CPU statistics for that time. Contribute several patches to the rendering code.

Blogs-n-Stocks (<https://Blogs-N-Stocks.dev.java.net>)

Contributor [March 2009 - Present]

A tool for Sentiment analysis of web-logs to predict boom and bust in markets. Was also a winner in Sun Code for Freedom contest. Contributed several patches for the UI.

Goonj (<http://goonj.github.com>)

Lead Developer [January 2010 - Present]

A light weight Music Player/Library Manager for Mac OSX. Working on the Audio Playing code for this project.

Skills:

- Languages Known: Javascript, PHP, HTML, CSS, Python
 - Languages Acquainted with: XML, XSL, C, C++, Java, UnrealScript, Ruby, Puppet
 - Toolkits and Libraries: Qt, OpenGL, DirectX, Panda3D, PyGame
 - Tools: Visual Studio, Codeblocks, Netbeans, Eclipse, Adobe Photoshop, TextMate, Gedit
 - Operating Systems: Linux (Debian, Ubuntu, Fedora), Mac OS X, Windows 9x/2000/XP, OpenSolaris
 - Databases: MySQL, Key Value Pair Databases.
 - Version Control: SVN, GIT, Bazaar, Mercurial
- Having knowledge of a variety of Project Management Tools and Agile Development Methodologies.

Education:

Malaviya National Institute of Technology - Jaipur, India
Undergraduate (Bachelor of Technology, Computer Engineering) [2008]

Our Own English High School - Dubai, UAE
High School [2004]

Community Activities:

- Technical support and administration of Sarai FLOSS Fellowships.
- Organizer of many workshops, funded by Sarai (NIXI and European Union).
- Co-organized Software Freedom Day in 2008 at Sarai.
- Attended various FOSS related events like Freed.in (2009) and OSSCamps.
- Taught FOSS tools to underprivileged children in Delhi

Other Activities and Hobbies:

- Otaku. (<http://myanimelist.net/animelist/n9986>)
- Gaming (Won prizes in multiple LAN-Gaming Competitions)
- Writing short stories.
- Reading books (Tolkien fiction and Roald Dahl short stories)
- Computer Graphic Designing.
- Honors Certificate in Gulf Mathematics Olympiad.
- Model Kit Construction.