



# Lakshmipathi.G

Winner of FOSS India Awards, • 91-9535182504 • lakshmipathi.g@giis.co.in

## ○ Profile

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More than 12 years of experience as FOSS/Linux Programmer with 10 years of industry experience in Information Technology. Has experience in Distributed file system Storage along with Strong Knowledge of ext2/3/4 file system. Experienced in LAMP technologies and J2EE. Strong skills on Linux Server Security aspects.

Roles and Contributed as File System tools developer, Kernel File system Programmer, Automation Engineer, Build and Release Engineer, QA Engineer, Web-developer, R&D/FOSS Programmer.

## ○ Media References

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India's "Linux For You" <http://www.giis.co.in/LFY.png>

UK's "Linux Format Magazine" June-2011 [http://www.giis.co.in/giis\\_LXF.jpg](http://www.giis.co.in/giis_LXF.jpg)

German's CT magazine Jan-2014 [http://giis.co.in/ct\\_pg1\\_Jan\\_2014.jpg](http://giis.co.in/ct_pg1_Jan_2014.jpg) [http://giis.co.in/ct\\_pg2\\_Jan\\_2014.jpg](http://giis.co.in/ct_pg2_Jan_2014.jpg)

## ○ Education

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### **Name of University and College**

Master of Computer Applications from Bishop Heber College (Bharathidhasan University), Trichy.2005

Bachelor of Science – Computer Science from Kongu Arts College (Bharathiyar University), Erode.2002

## ○ Skills

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### **Languages / Databases/Tools/Company**

FreeBSD Kernel, C, Python, C-Python api (Isilon)

C,Python fabric,Bash(8kpc)

C,Python,shell script,gdb,gcov,sqlite3,Iozone,fileop,postmark,dbench,fio,posix compliance,bonnie++ (Gluster)

C,Java,Struts,JSP,DB2,EJB,Linux/Unix Shell

Programming,mysql,GDB,Strace,gprof,apache,MySql,PHP,Bash Shell,Drupal(DFS.com)

IBM/HP UNIX, Linux, C, and Informix.(Wal-Mart)

Docker, OpenVZ, Redis, Boto, AWS, Linode, Btrfs-progs, Sysdig, Python-Kivy, Flask, e2fsprogs.

## ○ Work Experience

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### **2012 - 2015**

#### **EMC-Isilon, Bangalore**

#### **Developer/Automation/QA Engineer**

- Implemented File System corruption tool.
- Automation scripts for migration tool.
- Involved in snapshot cauterization, IntegrityScan, ScatterGather projects.
- Understanding OneFS on-disk layouts.

### **2012-2012**

#### **8kpc, Bangalore**

#### **Automation Engineer/QA Engineer**

- Developed automation framework for easily deploying and testing using Python-Fabric.

### **2009-2011**

#### **Gluster (RedHat), Bangalore**

#### **Automation Engineer/Build and Release Engineer/QA Engineer**

- Developed automation framework for easily deploying and testing GlusterFS using python,sqlite.
- Developed Dev sanity, Nightly sanity and regression frameworks.
- Responsible for Creating and Managing RPM and DEB packages.(Fedora/CentOS/Debian/Ubuntu)
- Debugging file system issues and Bug fixes and verification.



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- Experience with File System QA tools and Setting up/maintaining git repos.
- Experienced in Amazon AWS and Cloud Environments
- Gluster-NFS testplan preparation and automation.
- Helping community users on mailing list and forums.

**2006-2009**

**Cognizant Technologies, Chennai**

**Open Source COE**

- Worked as J2EE and PHP Developer. Implemented C programs to check Mysql performance testing.
- Integrated PHP with Shell Programming and Java to implement Unicode support for the application.
- Administration Sendmail server and Cloud Management platforms like OpenQRM and Virtualization.

## ○ Open Source Projects/Activities

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**2014**

expirer - Auto-magically delete files after they expire.

**2013**

openvz-rq - Cloud provisioning system.

**2011-2012**

chainsawfs - Linux Kernel File System.

webminal - Place to Learn linux commands.

**2010**

giis-ext4 Ext4 undelete tool.

**2009**

minili - 3MB Custom Linux distro.

**2008-2009**

giis-gui - GUI for giis tool using GTK+ and Glade.

**2007**

extcarve - Semantic File Carving tool which recovers files based on analysis of magic signatures.

exthide - A file system tool to hide files under Linux.

**2006**

giis - Ext2/ext3 undelete tool and Membership in LinuxForums.org.

## ○ References

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<https://github.com/Lakshmipathi>

<http://www.giis.co.in/>