

# Abhijit Hoskeri - Resume

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## Technical Skills

### Programming Languages

C, Perl, Python, Ruby

### Development

- Linux kernel filesystems (ext2 and ext3) and device-mapper (dm) driver internals.
- Development of distributed server applications with python.
- ORM (Object-Relation Mapping) frameworks like Storm.
- Experience with the MVC (Model-View-Controller) model of application development (Django, Sinatra).
- Knowledge of UNIX system programming (System calls, basic library functions, networking, etc)
- Packaging software and maintenance of such packages. (Debian and RPM packages)
- Excellent understanding of the UNIX and Linux ecosystem
  - Excellent knowledge of Bash scripting and automation.
  - Experience with installation and maintenance of Email server infrastructure.
  - Linux firewall, VPN and router configuration.

### Tools

- Version control systems including Git, Mercurial, Subversion, CVS.
- Project management with Trac, Bugzilla, Request-Tracker, Jira, etc.

## Work Experience

### Atlantis Computing Pvt. Ltd. (Aug 2008 till present)

- Developed an inline deduplicating filesystem based on ext2/ext3 kernel module in Linux. The ext2 filesystem was modified to perform deduplication of incoming data to eliminate redundant block writes and improve performance of virtual machines by 500%.
- Developed management and deployment feature in 'Atlantis ILIO' virtual appliance in python.
- Worked on converting ILIO from a centralized architecture to a distributed architecture to support larger scale of users and workload.
- Built a Linux live-cd based installation mechanism for ILIO.
- Developed a Windows MFC application to monitor and report health of Virtual Machines.
- Implemented a high availability solution for failover of services provided by ILIO using heartbeat, DRBD (Distributed Replicated Block Device) and OCFS2 (Oracle Clustered File System)

### DeepRoot Linux Private Limited. (Sep 2006 to July 2008)

- Development and maintenance of the deepOfix Mail Server, a GNU/Linux distribution built to run email services.
- Fixed bugs and added features to various open source software used by the product. and contributed them up-stream.
- Wrote patches for internal use for software such as Qmail, Dovecot, etc.
- Rebuilt the entire installer and package set to make the entire system more manageable and upgradable.
- Headed the support team, comprising four people to provide incident support and customizations for the above product and allied services. Responsible for over 200 servers in my support role.
- Designed and commissioned custom email server architectures as per requirements of customers.

### Maspro IT Solutions Private Limited (Dec 2005 to Aug 2006)

- Worked as an on-site engineer deploying and managing infrastructure.

## Education Background

- B.E. in Industrial and Production Engineering, from Basaveshwara Engg. College, Bagalkot, Karnataka in 2005.
- Six month course in 'Advanced Unix Programming' at Uttara, Bangalore