

# MRITYUNJAY RAVI IYER

## OBJECTIVE

To work in a challenging and innovative environment that will allow me to learn and grow as a software engineer

## TECHNICAL SKILLS

### *Programming Languages*

- Ruby, Python,
- Learning Clojure and Erlang

### *Tools*

- *Version control tools:* Git, Subversion,
- *Project management tools:* Jira, Green-hopper, Bugzilla, Trac, Pivotal Tracker
- *Development tools:* Firebug

### *Development*

- *Operating systems:* GNU/Linux (use and development), Windows (use)
- *Frameworks:* Rails (Ruby on Rails)
- *Virtualization:* VMware, Qemu
- Working knowledge of Unix System Programming
- Good knowledge of Shoes (Ruby based GUI toolkit) and working knowledge of Gtk (Rubygtk)
- Experience in full software lifecycle (ideation and design, development, testing, packaging and deployment)
- Good knowledge of Linux OS customization and packaging
- Good at rapid prototyping of ideas
- Experienced in Customer support and interaction

## TECHNICAL EXPERIENCE

*Aug 2006 - Present*

Atlantis Computing

### *Atlantis Webtop*

- **User signup system:** Was instrumental in designing and developing a user signup system using RoR, automated mailer for signed-up users using Action Mailer (RoR) and automatic distributed backup using Slony (for postgres).
- **User management system:** Designed and developed an extensive user management system written in RoR and integrated with the Linux (Gentoo) user environment. The system involved user quota management, access rights, subscriptions etc.
- **User chat integration:** Designed and developed a user chat system integrated with RoR backed UI using ejabberd and jwchat.
- **User monitoring:** Designed and developed a user monitoring framework to record usage, geographical access, subscription usage, report generation and trend generation.
- **Google gadget:** Complete webtop access console re-written and miniaturized to work within a google gadget (XML and Ror)

### *Atlantis Unity*

- **Active Directory:** Was instrumental in developing active directory integration for Atlantis Unity using Ruby, Ldap and RoR. The system enabled active directory to manage users, permissions and secure login using AD credentials.
- **Netboot v1.0:** Designed and developed a pxe-boot Knoppix based Jeos. The Jeos allowed diskless clients to boot into a custom environment and seamlessly startup a Windows based virtual machine image using Qemu built into the Jeos.
- **Netboot v2.0:** Designed and developed a pxe-boot Ubuntu based Jeos. The Jeos allowed diskless clients to boot into the Jeos, select a Windows based virtual machine image and boot into it seamlessly using VMware Player built into the Jeos. Worked with Michael Brown to integrate gPxe with the Atlantis Netboot solution.  
(<http://etherboot.org/wiki/appnotes/authmenus>)

- **Installer:** Designed and developed the email integration to the installer using Ruby and Dialog (Linux).
- **Notification:** Designed and developed a notification system to inform administrators regarding server failure, failover or failback (in a high availability environment) using integrated email system using Ruby, Erlang and Erlectricity.
- **Configurator:** Was instrumental in designing and developing an installer/configuration generator using Ruby/Shoes. The configurator managed networking, installation details and deployment details needed to install/deploy the product.

#### MANAGEMENT EXPERIENCE

Oct 2008 - Present

Atlantis Computing

- Research and development lead (Bangalore) since October 2008
- Handling project management, delegation and interaction with senior management.

#### ACADEMIC QUALIFICATIONS

B.E. Computer Science	Dayananda Sagar College of Engineering Bangalore, Karnataka (VTU)	2006
Standard 12	National Public School (CBSE) Bangalore, Karnataka)	2002
Standard 10	National Public School (CBSE) Bangalore, Karnataka)	2000

#### ACHIEVEMENTS

- Was part of the team that suggested a changed university syllabus, for the seventh semester laboratory. The team's suggested syllabus is being currently implemented.
- Was part of the team that wrote the manual (now part of standard VTU syllabus) for the seventh semester laboratory as well as complete solutions and open-source simulator.
- Was lead organizer and part of core-team that conducted a complete mock placement for the third year students of Computer Science department, involving complete mock company presentation to H.R. etc.
- Was part of the team that organized the Entrepreneurship Development program for the final year students of our college in the year 2004.

#### PERSONAL DATA

- *Name:* Mrityunjay Ravi Iyer
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- *Date of birth:* 19th July 1984
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