MRITYUNJAY RAVI IYER

OBJECTIVE

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

MANAGEMENT EXPERIENCE

Oct 2008 - July 2011   Atlantis Computing

Engineering Project Manager

- Experienced in project management, project/issue tracking and people management.
- In charge of all research and development projects conducted in the Bangalore centre.
- Handled delegation and management of development support for customer issues.
- Managed development support for Sales Engineering team.
- Experienced in managing projects with both local and remote team members.
- Managed multiple projects running simultaneously.
- Trained and mentored team members in Agile software development.
- Handled technical recruitment and induction.
- Liaison between US and India teams for projects planning and delegation.

TECHNICAL SKILLS

Programming Languages

- Ruby, Python
- Learning Clojure and Erlang

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

Tools

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

TECHNICAL EXPERIENCE

Aug 2006 - Present   Atlantis Computing

Atlantis Webtop

- **User signup system:** Webtop was a web-based service which allowed users to subscribe to desktop applications hosted on the cloud and access them using them remotely using a web-browser. This project allowed users to signup, create default user data and subscriptions and send an email on account creation.
  The project involved:
    - Requirement gathering
    - Database design
    - Design and development of the web-based system

- Development of an automated mailer for signed-up users
- Development of an automatic backup system for the database

Technologies used: Ruby, RoR, Action Mailer (RoR), Postgres, Slony, Gentoo Linux

- **User management system:** The Webtop User management system allowed administrators to handle all aspects of the user account. It let administrators set user quotas, modify access rights and application subscriptions.
  The project involved:
    - Requirement gathering and analysis
    - Database design
    - Design of the web-based administration console
    - Design and development of server-side components to perform Linux user administration (creation, permissions etc.)
    - Design and development of the quota and subscription management engine

  Technologies used: Ruby, Ruby on Rails, Postgres, Gentoo Linux

- **User chat integration:** The Webtop User chat allowed users to chat among themselves using an integrated chat client (browser-based).
  The project involved:
    - Design and development of the browser based chat system
    - Integration of JWChat with the existing Ruby on Rails based framework
    - Configuration and integration of ejbbaerd with the Rails backend
    - Design and development of user chat access rights engine

  Technologies used: Ruby, Ruby on Rails, ejabberd, JWChat, XML

- **Google gadget:** Delivered a complete webtop access console re-written and miniaturized to work within a google gadget (XML and RoR)

Atlantis Unity

- **Active Directory:** Developed the 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:**
    - 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.
    - Enhanced the JeOS to use Ubuntu as a base. The user can select a Windows based virtual machine image and boot into it seamlessly using VMware Player built into the JeOS. Worked with Etherboot gPXE team to integrate gPXE with the Atlantis Netboot solution. (http://etherboot.org/wiki/appnotes/authmenus)

Atlantis Ilio

- **Installer:** Designed and developed the email integration to the installer using Ruby and Dialog (Linux).

- **Monitoring:** Designed and developed a notification system to inform administrators regarding server failure, failover or failback (in a high availability environment) using the integrated email system, using Ruby and Erlectricity integrated with the Erlang backend.

- **Configurator:** Designed and developed 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.

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.

- Organized and co-ordinated the team that conducted a mock placement for the third year students of the 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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