MRITYUNJAY RAVI IYER

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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

October 2011 - May 2012 SciSquare TechnoSolutions

CTO and Project Manager

- Was in charge of hiring and training employees.
- Built and led the technical and development team from scratch.
- Managed customer engagements and new business opportunities.
- Evangelized Android Mobility to companies in the non-mobility consumer space.
- Took charge of project management and product management.
- Trained team leads and team members in Agile development methodologies and SCRUM.
- Mentored team leads in people and project management.
- Was responsible for product ideation and market expansion.
- Managed interaction with corporate entities for corporate technical training in Android.

Oct 2008 - July 2011 Atlantis Computing

Engineering Project Manager

- Managed project management, project/issue tracking and people management and day-to-day task delegation
- In charge of all research and development projects conducted in the Bangalore centre.
- Managed and delegated 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 and SCRUM.
- Was in charge of technical recruitment and induction.
- Was the main liaison between US and India teams for projects planning and delegation.

TECHNICAL EXPERIENCE

Aug 2006 - July 2011 Atlantis Computing

Atlantis Ilio

- **Installer:** Atlantis Ilio is a storage virtualization solution which provides a 10X performance increase in VDI storage. Ilio also uses inline Deduplication to reduce VDI storage usage by 4X and give up to 95% IOPS offload. The Installer is used to deploy and configure the Ilio virtual appliance for customer specific needs.

  Role and responsibility: Conducted the requirement analysis and designed the database schema. Designed and developed the command line installer. Designed and integrated the email feature into the installer. Designed and wrote the custom email module for Ruby.

  Technologies used: Ruby, SMTP, Linux dialog, Python, Sqlite, Ubuntu Linux

- **Monitoring:** The Ilio monitoring module is a notification system to inform administrators regarding server failure, failover or failback (in a high availability environment) using the integrated email system.

  Role and responsibility: Conducted the requirement analysis. Designed and developed the email module. Designed and integrated modules with the monitoring daemons. Developed the Ruby Erlang module.

  Technologies used: Ruby, Erlang, Erlectricity, SMTP, Linux dialog, Ubuntu Linux, Bash scripting

- **Configurator:** The Ilio Configurator is an installer/configuration generator. The configurator managed networking, installation details and deployment details needed to install/deploy the product.

  Role and responsibility: Was in charge of requirement gathering, analysis and database design. Designed and developed the configurator UI and the input error processing engine. Integrated the Ilio Configurator with ISO generation tools. Headed the customization of the UI toolkit for single point branding changes.

  Technologies used: Ruby, Shoes

Atlantis Unity

- **Active Directory:** The Active Directory integration with Atlantis Unity allowed users to access their Unity account using their enterprise Active Directory credentials. This also allowed administrators to control user access, permissions and secure login through a single point.

  Role and responsibility: Was in charge of requirement analysis and database schema design. Designed and developed the custom Ruby module for Active Directory integration. Developed the module to integrate Linux LDAP and Active Directory and developed a custom LDAP tree search. Designed and developed a single sign-on system for Unity. Also developed a mapping between Active Directory and Unity feature subscriptions.

  Technologies used: Ruby, Ruby on Rails, LDAP, Active Directory, Awk, Gentoo Linux, Nginx

- **Netboot V1.0:** Atlantis Netboot v1.0 is a PXE-boot Knoppix based JeOS. The JeOS allowed diskless clients to boot into a custom environment and seamlessly start up a Windows based virtual machine image using Qemu built into the JeOS.

  Role and responsibility: Performed requirement gathering and analysis. Designed and developed a Knoppix Linux based JEOS. Designed and re-mastered Knoppix Linux to suite the product needs. Integrated Qemu virtualization with the diskless JeOS. Integrated the JeOS with the existing Unity infrastructure. Customized the JeOS to work with non-standard client devices. Designed and developed a secure login into the Netboot JeOS integrated to use Unity credentials.

  Technologies used: Python, GTK, Linux DHCP server, Knoppix Linux, Qemu, Bash scripting

- **Netboot V2.0:** Atlantis Netboot v2.0 involved an enhanced JeOS. This JeOS used Ubuntu as a base. The user could select a Windows based virtual machine image and boot into it seamlessly using VMware Player built into the JeOS. The project also involved working with the Etherboot gPXE team to integrate gPXE with the Atlantis Netboot solution.
  (http://etherboot.org/wiki/appnotes/authmenus)

  Role and responsibility: Performed requirement gathering and analysis. Designed and developed an Ubuntu Linux based JeOS with an nfs-kernel diskless system. Also integrated Etherboot gPXE with Atlantis Netboot. Integrated user Virtual Machine selection with Etherboot gPXE during boot process. Created a Customized linux DHCP server to support Netboot. Integrated VMware Player into a diskless Ubuntu environment. Designed and developed a secure login system integrated with Unity and Active Directory. Designed and developed a Diskless Client Control module which allowed remote monitoring and shutdown. Developed a MAC address based subscription filter.

  Technologies used: Ruby, GTK, Python, Ubuntu Linux, Linux TFTP server, Linux DHCP server, VMware Player, Etherboot gPXE, Active Directory, LDAP, NFS, Bash scripting

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 remotely using a web-browser. This project allowed users to signup, create default user data and subscriptions and send an email on successful account creation.

  Role and responsibility: Gathered requirements and designed the database schema. Designed and developed the web-based system. Developed an automated mailer system for signed-up users. Developed 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.

  Role and responsibility: Performed requirement gathering and analysis. Designed the complete database schema. Designed and developed the web-based administration console. Designed and developed the server-side components to perform Linux user administration (creation, permissions etc.) Designed and developed 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).

  Role and responsibility: Designed and developed the browser based chat system. Integrated JWChat with the existing Ruby on Rails based framework. Configured and integrated ejabberd with the Rails backend. Designed and developed the user chat access rights engine.

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

- **User monitoring:** The user monitoring module was used to determine Webtop usage statistics. The project involved monitoring subscription usage, geographical access, report and trend generation.

  Role and responsibility: Performed requirement analysis and database schema design. Designed and developed the user logging subsystem. Developed the user access to geolocation mapping engine. Designed and developed the trend determination engine. Developed the tools for report generation.

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

- **Google Gadget:** The Webtop Google Gadget was a full-featured Webtop access console re-written and miniaturized to work within a Google Gadget. This allowed users to integrate their Webtop account into their Google home page.

  Role and responsibility: Gathered and analyzed requirements. Designed and developed a miniaturized Webtop UI. Designed and developed the Webtop Google Gadget. Developed the Rails backend to support the Google Gadget. Integrated Webtop Application Streaming with Google Gadget. Developed a secure login system through Google Gadget.

  Technologies used: Ruby, Ruby on Rails, XML, NX, Gentoo Linux, Nginx

TECHNICAL SKILLS

Programming Languages
- Ruby, Python, C, C++,
- Learning Clojure and Erlang

Development
- *Operating systems:* GNU/Linux (use and development), Windows (use)
- *Frameworks:* Rails (Ruby on Rails)
- *Virtualization:* VMWare Player, VMWare Workstation, VMWare ESX, VMWare ESXi, VMWare View, Qemu
- *Server technologies:* Familiar with High Availability systems and storage systems such as NFS, CIFS, NAS, SAN and iSCSI
- 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

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 wrote the syllabus and 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 simulated HR 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.