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

October 2011 - May 2012 SciSquare TechnoSolutions

CTO and Project Manager

- In charge of hiring and training
- Built technical team from scratch
- Managed customer engagements and new business opportunities
- Handled evangelizing Android Mobility in non-mobile consumer space
- Handled project management and product management
- Trained team leads and team members in Agile development methodologies and SCRUM
- In charge of product ideation and market expansion
- Handled interaction with corporate entities for corporate technical training in Android

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 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 95Installer is used to deploy and configure the Ilio virtual appliance for customer specific needs.
  The project involved:
  - Requirement analysis and Database design
  - Design and development of the command line installer
  - Design and integration of email into the installer
  - Design and development of 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.
  The project involved:
  - Requirement analysis
  - Design and development of email module
  - Design and integration of modules with monitoring daemons
  - Development of 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.
  The project involved:
  - Requirement gathering, analysis and Database design
  - Design and development of configurator UI
  - Design and development of input error processing engine
  - Integration of configurator with ISO generation tools
  - Customization of 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.
  The project involved:
  - Requirement analysis
  - Design and development of custom Ruby module for Active Directory
  - Database design
  - Development of module to integrate Linux LDAP and Active Directory
  - Development of custom LDAP tree search
  - Design and development of single sign-on system for Unity
  - Development of mapping between Active Directory and Unity 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.
  The project involved:
  - Requirement gathering and analysis
  - Design and development of Knoppix Linux based JEOS
  - Design and re-mastering of Knoppix Linux
  - Integration of Qemu with the diskless JeOS
  - Integration of the JeOS with existing Unity infrastructure
  - Customization of the JeOS to work with non-standard client devices
  - Design and development of 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)
  The project involved:
  - Requirement gathering and analysis
  - Design and development of Ubuntu Linux based JeOS
  - Design and development of nfs-kernel based diskless system
  - Design and integration of Etherboot gPXE with Netboot
  - Integration of user Virtual Machine selection with Etherboot gPXE
  - Customization and configuration of DHCP server
  - Integration of VMware Player into a diskless Ubuntu environment
  - Design and development of a secure login system integrated with Unity and Active Directory
  - Design and development of Diskless Client Control module which allows remote monitoring and shutdown
  - Development of MAC address based subscription filters

  Technologies used: Ruby, GTK, Python, Ubuntu Linux, Linux TPTP 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 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
- **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.
  The project involved:
  - Requirement analysis
  - Database design
  - Design and development of user logging subsystem
  - Development of user access to geolocation mapping engine
  - Design and development of trend determination engine
  - Development of 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.
  The project involved:
  - Requirement gathering and analysis
  - Design and development of miniaturized Webtop UI Design and development of Google Gadget
  - Development of Rails backend to support Google Gadget
  - Integration of Application Streaming with Google Gadget
  - Development of secure login through Google Gadget

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

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 Player, VMWare Workstation, VMWare ESX, VMWare View, High Availability, 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

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.
- 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

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