

Sheeju Ranji Alex

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Objective

Strongly curious, self-motivated, compulsive, enjoys challenges and perfectionist tendencies with ability to compromise to practical realities. Experience in the Perl development field also familiar with UI/UX development and Unix Shells. Possess the ability to meet sensitive deadlines, manage time, and assume ownership of responsibilities.

Summary

- Bachelor of Engineering in Electronics and Communication
- Over 8 years of development in Perl and PHP
- Over 8 years of focusing on UX and UI on web sites, web products/softwares
- Over 7 years of experience in database and data warehouse.
- Expert in Asterisk PBX, Conferencing with E1 or T1 integration
- Having development knowledge in jQuery, jQuery Mobile, HTML5 and Javascript
- SOAP based web services development with Perl or PHP
- Full project management from initial concept, debugging and testing, to final release
- Ability to collaborate with Web Designers and other visual thinkers, as well as developers
- Familiarity with various web-based technologies, and a willingness to learn and try new technologies as they are made available
- An understanding of SEO and online marketing

Technical Experience and Proficiency

Development Technologies

- PERL (Mason, TT, mod_perl), PERL(Catalyst MVC , DBIx, fast cgi)
- PHP (ZEND,Smarty,Drupal,Nagios)
- C, C++
- Database Used (MySQL, PostgreSQL, MSSQL, Oracle, Vertica, SQLite)
- HTML/DHTML, CSS 3, Javascript/AJAX, JQuery, XML, JSON
- FLEX (Swiz, Cairngrom MVC, Actionscript, Charts)
- Subversion, MVC (Model View Controller),
- HTTP Streaming (Meteorserver: PERL Push Server)
- Linux, Mac OS, Microsoft Windows

System/Web Administration

- Apache Server, Mod Redirect (.htaccess), Mod Perl, CGI,PHP, IIS, Nginx – Configured and deployed multiple software's on these
- LINUX (Ubuntu, Redhat, Debian, Fedora, Centos), Win 2k/2k3 Server – Installation and configuration settings
- NFS, DHCPD, FTP, SSH, DNS, IP Routing – Installation and configuration settings

Telephony Technologies

- Asterisk, OpenSER, VOIP (SIP, IAX, H323) – Installation, maintenance and configuring PBX and SIP end points
- Asterisk Conferencing – Installation and development for asterisk meetme module for conference bridge
- TDM (Digium (FXO/FXS, PRI), Sangoma (PRI) cards – Installing and configuring PRI telephony cards with asterisk.

Education

Bachelor of Engineering, Electronics and Communication

[B.T.L Institute of Technology and Management](#), Bangalore – with best outgoing student for the year 2004-2005

Professional Experience

[Exceleron Software Pvt Ltd.](#) – (Lead Product Developer)

Feb 2013 – Till Now

- Leading and Managing “Alerts Engine Development for MyUsage Prepaid”
- Setting up frameworks for development

[Glassbeam IT Services Pvt Ltd.](#) – (Senior Software Engineer)

June 2011 – Feb 2013

- Handling UX and UI development for Glassbeam Product using Flash/Flex, HTML and Javascript
- Development of backend server using Perl CGI and Vertica data warehouse.
- Working alongside clients, development team and project managers to assign tasks and maintain collaborative work-flow

[BravoLucy Technologies Pvt Ltd.](#) – (Senior Product Developer)

August 2009 – May 2011

1. Designing the database architecture
2. Handling UX and UI development for Lucy Football Software, Supply Chain Management Forecasting software using Flex, HTML and Javascript

3. Development of backend server using Perl Catalyst MVC Framework
4. Working alongside clients, development team and project managers to assign tasks and maintain collaborative work-flow
5. jQuery, Prototype/Scriptaculous, and JavaScript development frameworks

Belzabar Software Design India Pvt Ltd. – (Project Co-Lead)

October 2007 - August 2009

- Designing the database architecture
- Usage of XHTML/CSS, Perl, PHP 4/5, MySQL, MSSQL, Oracle and jQuery/Javascript

Brunswick Telesolution Pvt Ltd. (Indosoft Inc) – (Software Engineer)

January 2006 - October 2007

- Usage of Perl, Mason, HTML, PostgreSQL, MySQL, Asterisk and Javascript
- Interacting with Client during Installation and deployment of Conferencing bridge software and customizing according to client requirement.

Projects

Glassbeam

Client : Aruba Networks, EMC, IBM, Blue Arc
 Organization : Glassbeam
 Platform : Linux, Apache, mod_perl
 Technologies: Perl, CGI, Flex, SPLi

Project Description:

Glassbeam offers product analytics, an innovative, highly visual approach delivered as a secure, software-as-a-service (SaaS) solution that unlocks the business value embedded in your product's operational data. Glassbeam consists of following described below,

1. Glassbeam Server: The Glassbeam server is state-of-the-art technology consisting of:
 - 1.1. a patent-pending parsing engine SPLi™
 - 1.2. an extraction and load engine that can process information from terabytes of raw unstructured data
 - 1.3. a data warehouse that is automatically created from the parsing and loading engine
2. Support Portal: Glassbeam delivers the most up-to-date information to departmental portals using data from the Glassbeam data warehouse, or Information Hive™. Users can easily drill down on product configuration, usage and event data in real-time. Information is presented to users using pre-defined reports appropriate to their function and role, or via ad-hoc queries on the support information.
3. BI Workbench: Glassbeam's Business Intelligence (BI) Workbench is an analytics toolkit that enables power users to:
 - 3.1. build and run sophisticated queries
 - 3.2. share the saved queries and results with other users using OLAP Datagrid.
 - 3.3. publish the queries as dashboard widgets embeddable into other applications

3.4. Using BI Workbench, power users can mine and report on any field or data in the Information Hive and gain insights that were previously unattainable.

Responsibilities:

- Involved in Development of the Software
- Designing new UI screens for Support Portal and Workbench
- Managing UI Team to develop the functional requirement and involved in deciding the functional requirement for new features.

Lucy Football Software

Client : <http://www.altomfotball.no>
Organization : Bravolucy
Platform : Linux, Apache, mod_perl
Technologies: Perl, Catalyst MVC, Flex, Swiz Framework, LINUX, Web Crawler
Team Size : 4

Project Description:

Lucy football software is new generation software for media industry and football fans to follow live games and analyze the performance of a team or league. This project consists of 2 main parts

1. Data Collection and storage:
 - Gathering data from different source like historical data for different European football leagues and current season's data.
 - Data Cleaning: Cleaning the data and ensuring the data is perfect
 - Data Storage: Storing the data to main database where the UI of football application will access the data for presentation
2. User Experience Implementation and Data Presentation:
Lucy football software, user interface is developed using flash and the data interchange between user interface and the server is through XML data format. The XML **data server is developed using Catalyst MVC framework (PERL).**

User Interface consists of 4 main screens which are explained below:

- Real-time game probability: This screen is used to see the game probability based on the current score and the teams past data.
- Analyze Screen: This screen consists of 3 graphs which will be user friendly representation of each teams
 - Goals scored and different interval of time
 - Scores for Home Wins, Draw and Away Wins
 - Percentage of wins
- League Tracker: This chart will give graphical representation of league points divided by weeks
- Head 2 Head Screen: This screen will give head to head graphs

Responsibilities:

- Designing the database architecture
- Creating Parser and Import module to collect data from different sources.
- Implementing MVC Framework for XML data interchange.
- Deploying the Lucy Football software in Linux environment

Lucy Sales Forecasting Software

Organization : Bravolucy
Platform : Linux, Apache, FAST CGI
Technologies: Perl, Catalyst MVC, Flex, Cairngrom MVV
Team Size : 10

Project Description:

Lucy Sales Forecasting software is fast, easy and accurate forecasting software for business professionals. Lucy Sales Forecasting software supports forecasting product or category (group of product).

With **Lucy Sales Forecasting software**, you provide the historic data for the items you are forecasting and **Lucy Sales Forecasting software** does the rest. The built-in expert selection mode analyzes your data, selects the appropriate forecasting model and calculates the forecasts using proven statistical methods.

Features:

1. Forecast Dashboard
2. Forecast Chart
3. Forecast Status Details and Chart

Responsibilities:

- Involved in Development of the Software
- Involved in customizing according to client specifications
- Involved in installing the software to production server.

Technical Partner Application

Client : <http://www.netapp.com/>
Organization : Belzabar
Platform : Linux, Apache, LDAP
Technologies: PHP, Perl, MySQL, Oracle
Team Size : 5

Project Description:

Content management and reporting interfaces for NetApp, called the TPA. This will let NetApp:

- Search for partners with particular characteristics;
- View the "profile" of a partner company, along with all its employees
- View all the details of an employee of a partner company, through a tabbed interface, including that employee's technical skills, certifications, and areas of interest
- Update a partner or employee's profile to reflect the latest skills etc
- Report on things such as how many employees have what certifications, and how this has changed over time
- Google Mapping feature which let NetApp users map all the employee associated to partner
- LDAP integration with client's network, we added this feature recently wherein the details of the employee are picked up from LDAP network.

Two Databases: Our software will get basic information about NetApp's partners, the partners' employees and those employees' certifications from an existing NetApp database, called the *Partner DB (Oracle)*. Our Database (MySQL) will be used to store custom information such as skills, territory coverage etc.

Responsibilities

- Involved in Development of the Software

- Involved in customizing according to client specifications
- Involved in installing the software to production server.

Ixquick Proxy Service

Client : <http://ixquick.com/>
 Organization : Belzabar
 Platform : Linux, Apache, CGI, Mod Perl
 Technologies: Perl, C++, JavaScript, Ajax
 Team Size : 6

Project Description:

This will be a module that will be used with Ixquick search engine where the users are allowed to browse the internet in full anonymity.

This module mainly deals with browsing the searched results anonymously where ixquick servers are used as proxy to retrieve the content of the website.

Sub Module: Added a C++ socket program which will retrieve the image content and buffer so that this program can be directly used as a replacement of images. C++ is used so that our proxy service is very effective in buffering images.

Project Track

Client : <http://www.tpgarchitecture.com>
 Organization : Belzabar
 Platform : Windows Server, IIS, LDAP
 Technologies: PHP, MSSQL, Javascript/AJAX
 Team Size : 3

Project Description:

This Project Track software will let client keep track of the details of these projects--entering, updating and viewing each project's details.

Our database is not actually storing the master copies of the Project records. TPG has a separate software package, called "Deltek Vision", that does this. But only a few people at TPG are allowed to update Vision directly (mostly, the Admin department, which is in charge of QA), because TPG doesn't want errors to be introduced.

Project Track is an Intermediary: Requests for updates and new projects are made in Project Track. From there, the QA team hand-enters these adjustments directly into Vision, correcting any entry errors that were made. And then, a data dump is made from Vision to our copy of the Vision database, so the Project Track software can show people the current status of these records.

Responsibilities

- Involved in Development of the Software
- Involved in customizing according to client specifications
- Involved in Installing to clients server

First Mortgage Makeover

Client : **1st Mortgage Makeover**
Organization : Belzabar
Platform : Linux, Apache
Technologies: PHP, MySQL, Javascript/AJAX
Team Size : 5

Project Description:

1st Mortgage Makeover is a new internet-based company that helps customers to pay off their first home mortgages sooner by assisting them in diverting their discretionary funds to their mortgage lender and replacing these funds with a low-interest line of credit.

The purpose of the custom mortgage calculator is to allow customers to compute their potential savings if they should sign up for the company's services. Customers will provide details about their loan and income and the mortgage calculator will compute information related to the customer's ability to pay their loan off faster using 1st Mortgage Makeover.

Responsibilities

- Involved in Development of the Software
- Involved in customizing according to client specifications

RF Binder

Client : Into Graphics
Organization : Belzabar
Platform : Windows Server, IIS
Technologies: PHP, MySQL
Team Size : 6
Portfolio : <http://rfbinder.com/htmlsite/>

Project Description:

We programmed an HTML website for our client, who currently has a Flash site at <http://www.rfbinder.com>. The HTML version will contain the same exact content as the Flash site. Since the Flash version is using XML files to load the content, the HTML version we created will also use same set of XML files.

Responsibilities

- Involved in Development of the Software
- Involved in customizing according to client specifications
- Involved in installing the software to production server.

Metasearch Engine

Client : Ixquick
Organization : Belzabar
Platform : Linux, Apache, Mod Perl
Technologies: Perl, MySQL, JavaScript, Ajax
Team Size : 6
Portfolio : <http://ixquick.com/>

Project Description:

Ixquick is a metasearch engine: when you search Ixquick, you are searching many popular search engines - anonymously - at the same time. Combined, these engines cover more of the Internet than any one search engine covers. An Ixquick result is awarded one star (*) for every search engine that chooses it as one of the ten best results for your search. So a five star (*****) result means that five search engines agreed on the result. This is significant because search engines choose results in different ways, and each approach works well in some cases and poorly in others. A result with many stars was chosen for many different reasons, and is a consensus choice of many search engines.

Responsibilities

- Involved in Software Support and customization

Conference Bridge Installation and Development

Client : Thinktel, Unified, Empire, Mphasis, Redback Conferencing
Organization : Indosoft Inc
Platform : Linux, Apache, Mod Perl
Technologies: PERL, Mason, PostgreSQL, Apache, Asterisk, Meetme Software
Team Size : 6

Project Description:

Audio Conference System & Teleconferencing Solution that connects seamlessly over TDM and IP networks. The audio conference bridge includes a comprehensive set of features and is easily customizable.

Web App Features I was involved:

- Conference bridge has very unique web interface to manage conference from Company, Client and Conference level.
- Conference Dashboard with streaming facility so that new conference or conference setting change are streamed without browser reloading.
- Reporting Interface with recordings player

Responsibilities

- Involved in Installation and test the Indosoft conference bridge Application to client's server
- Involved in customizing according to client specifications

CSAT Survey IVR system using Asterisk

Client : Mphasis
Organization : Indosoft Inc
Platform : Linux, Apache, Mod Perl
Technologies: PERL, Mason, PostgreSQL, Apache, Asterisk

Project Description:

- Install and configuration Digium/Sangoma hardware for PRI TDM connectivity.
- Designed and IVR system using Asterisk PBX which will be used to take the inputs from the calling in dinners for there valuable inputs for the set of questions which is used for CSAT (Customer Satification)
- Designed a reporting system using Perl (MASON) and PostgreSQL database.
- Perl scripts for AGI

Installation of Asterisk PBX

Client : Brunswick Telesolutions
Organization : Indosoft Inc
Platform : Linux, Apache
Technologies: Asterisk, TDM, FreePBX, PHP

Project Description:

- Install and configuration Digium/Sangoma hardware for PRI TDM connectivity.
- Configure SIP and IAX2 soft clients on Linux, Mac OS X and Windows
- Configure connection between Asterisk servers via IAX2.
- Install FreePBX software and customize the functionality according to internal requirement.

Interest

Music, Watching Soccer, Photography, traveling & traveling