

FEBIN JOY

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SENIOR SOFTWARE ENGINEER

PROFILE

Passionate, responsible and committed engineer, with a get-it-done, on-time spirit, and more than a decade of experience designing, implementing and adapting technically sophisticated online web applications using PHP5, PostgreSQL9.3, three tiered architecture and more. Proficient in PHP, language standards, object modeling technologies and Application Life Cycle management.

Having around 5.10 years of experience in PHP Technologies, followed industry's best practices and adhered and implemented processes, which enhanced the quality of technical delivery. Pledge to deliver the best technical solutions to the industry.

Complete profile: <http://www.febinjoy.com>.

QUALIFICATIONS SUMMARY

- Design, develop and implement dozens of web applications that support day-to-day operations
- Develop technical solutions that definitively improve scalability, performance and profits
- Discern key business requirements and objectives by interfacing with stakeholders
- Plan, develop and implement successful large-scale projects from conception to completion
- Expert in PHP development and object-oriented analysis
- Superior analytical, time management, collaboration and problem-solving skills

TECHNICAL SKILLS

Languages : PHP5,HTML5, Shell Scripts, Javascript, jQuery
Operating Systems : Windows ,UNIX (Linux-CentOS,RedHat,,Fedora,Ubuntu)
Networking : (CCNA)TCP/IP, RPC, HTTP, Security,
Object Oriented : OOA/D,
IDE : Netbeans7, Dreamweaver, Geany,gEdit
Database : PostgreSQL,MySQL

PROFESSIONAL EXPERIENCE

Sr.Software Engineer for National Informatics Center (NIC of Govt. India – Contract Employee, contract with IAP InfoTech) State Center Trivandrum from Dec 1st 2010 to till now.

Work closely with other engineers to initiate much-needed changes to the financial system for this struggling provider of web-enabled application services.

- * Collaborate with developers, and produce high quality software changes
- * Implement changes to transaction processing systems and , interfaces

Current Project: iExaMS (<http://sslcexamkerala.gov.in/>)

General Education Department is one among the most important departments in Government of Kerala. The Director of Public Instruction is the Head of the Department. The Director is also the Commissioner for Government examinations in the state. For administrative convenience and improving the efficiency of school education, district offices are functioning in the 14 revenue districts of the state headed by the Deputy Director of Education. Each revenue district is divided into Educational Districts and further into Educational sub districts. There are 36 educational districts and 161 educational sub districts in the state.

SSLC Examination is one of the biggest examinations in Asia conducted for Class-10 State Syllabus students in which yearly about 4,50,000 candidates appear. The whole management of examination scheme is controlled and coordinated by The Controller of Examinations, Pareeksha Bhavan, and Trivandrum.

SSLC-Examination Management System, developed by NIC, has been successfully implemented since the year 2001 enabling the Government, students, teachers and employees alike to meet the challenges of this examination ably. This system, developed using robust technologies of that time, is a Windows based Client Server Application.

The need for Rebuilding:

Recently, department has taken decision to revamp the existing system, in view of the following major requirements:

- 1) There is a change in the examination pattern of one subject (Paper for IT)
- 2) To enhance the system with more features such as online Marks Tabulation from Centralized Paper Valuation Camps.
- 3) To improve the security and integrity of data.
- 4) Print Certificates
- 5) Migrate to Open Source platform as per Government of Kerala directives

It is decided to rebuild the existing client server application to a Web based application using Open Source technologies.

About the Team

We had 6 members in the team, with high coordination and helping behavior.

Recent Project: PEARL_NET (<http://keralaregistration.gov.in/>)

The PEARL_NET is web application project for Registration Dept of Kerala.

About the Client

The Registration Department of Kerala started functioning from 01/01/1865 in Malabar Area, from 1868 AD in Travancore Area and from 1875 AD in Cochin Area. The three units have been integrated to form the present Registration Department with the formation of Kerala State from 1st

November 1956 and the Registration Act 1908 is in force throughout the state. The Registration Department is one of the oldest departments in the State and it touches citizens at all levels at some point of time or the other.

Registration law governs documents rather than transactions. The Registration Department is a service oriented, revenue earning, Department. The main source of revenue is the Stamp Duty and Registration Fee on account of registration of documents in Sub Registry Offices.

The Dept. of Registration has 310 Sub Registrar Offices and 14 District Registrar Offices and 4 Deputy Inspector General Offices and a Inspector General Offices (Head Quarter Office).

About the Project

The current application (in 70% offices) is a Desktop application developed in Visual Basic. Each office has a Server and four more client machines. That means 310 and more independent applications running in the department. There is no way to connect these offices to Head Quarter and to the District Head Quarters Offices. Now the Department needs to connect the all Offices under a single web application (PEARL Project).

For this purpose, we developed two applications, one for current office purpose (called OPEN PEARL), and the second one is remote web application (called PEARL PUBLIC) and the same time a common Content Management System for the information to the public (<http://keralaregistration.gov.in/>).

The PUBLIC PEARL is a web portal for public to apply for Encumbrance Certificate, Certified Copy, Marriage Application, Online Document Registration etc. The applicants can choose the Sub Registrar Office (SRO). In this project the database have 310 schemas for each SRO. Each application will goes to particular schema which the user has to select (SRO).

In the OPEN PEARL, the data will download to the appropriate SRO based on the application.

Using the MIS query, all data will be available based on the Official Hierarchy.

The CMS (<http://keralaregistration.gov.in/>) is built in MVC architecture based on OOPs concept in PHP. And database in PostgreSQL and also uses JQuery, and some other Frameworks. Using this application, we can Add/Edit/Delete contents, Files and Images etc.

About the Team

We had 9 members in the team, with high coordination and helping behavior.

EDUCATION & CERTIFICATIONS

- Masters of Computer Science (emphasis in Software Engineering) 2005 Mahatma Gandhi University, Kerala.
- Post Graduate Diploma in Computer Application(2002 - 03) from IHRD Kerala

OTHER CERTIFICATIONS

- CCNA completed