

RASHIM PATHAK

Objective

To apply my skills in the field of software development, debugging and training with the best of spirit and carry out the responsibilities, duties with sincerity, devotion, honesty, hard work and achieve goals for the success of organization.

PROFESSIONAL EXPERINCE

Mahindra Comviva Technologies Ltd. (Formerly Bharti Telesoft Ltd.)
July 2007 – Till Date (Currently working as Technical Lead)

Project

- **Name of the project:**
Front End Aggregator (Protocol Converter)
- **Environment:**
JAVA, JAVA NIO, Mysql, Struts2.0, Linux, Apache-Tomcat7.0
- **Role:**
Lead Software Engineer
- **Description:**
FEA is a Front end protocol converter. It exposes generic HTTP API's to third parties to access cRBT service. In backend there are different MDB flavors. One MDB only support TCP interface other MDB supports HTTP interface.

Responsibilities:

Complete SDLC and training team JAVA NIO and TCP.

Project

- **Name of the project:**
Out Bound Dialer.
- **Environment:**
JSP, Servlets, Mysql, Linux, Apache-Tomcat, CCXML, VXML & Contarra Media Platform
- **Role:**
Lead Software Engineer
- **Description:**
Out bound dialer (OBD) mainly used to create the Out Bound Calls to end customers. The OBD designed in such a generic way that any VAS service like cRBT, MUSIC on Demand, Voice Portal e.t.c can integrates with it and use the OBD for promotional and other purpose and hence reach its customers.

Responsibilities:

Complete design of features like flow control, call backs, selective retrials, database design, Application development and End to end testing with services like cRBT, Music on Demand. Also made successfully live in Airtel Africa & Etisalat Properties.

Project

- **Name of the project:**
Home Portal (Root Portal)
- **Environment:**
VXML, CCXML, SRGS grammar, Nuance ASR, ECMA script, Servlets, Mysql, Linux, Apache-Tomcat and Media Platform.
- **Role:**
Lead Software Engineer
- **Description:**
Home portal is an Umbrella portal which hosts different VAS services (like cRBT, Music on Demand, Voice chat and Voice Portal etc) present in operator network. User when selects particular VAS service on Home Portal by providing DTMF or Speech input the home portal application will route the call to selected service.

Responsibilities:

Complete SDLC and training team VXML/CCXML, SRGS grammar for development.

Project

- **Name of the project:**
Background Music (Conferencing)
- **Environment:**
VXML, CCXML, ECMA script, Linux, Apache-Tomcat and HP-OCMP Media Platform.
- **Role:**
Senior Software Engineer
- **Description:**
Back Ground Music Application plays Music in the background when two persons talk using the concept of Conferencing. CCXML is used for conferencing and Music is played in background by joining VXML dialog in conference. The Music can be changed depend upon mood of a person by pressing different DTMF keys. Based on direction of dialog joined application can be A or B party based BGM.

Project

Responsibilities:

Complete design, study and using the concept of Conferencing in CCXML the application is successfully tested on HP-OCMP.

- **Name of the project:**
Dial the Tube
- **Environment:**
Linux, Apache-Tomcat, VXML, CCXML,C,CURL, Dialogic Vision, You-Tube RTSP/RTP streaming, You-Tube API, FFMPEG and Image-magic.
- **Role:**
Lead Software Engineer
- **Description:**
DTT Application integrates with You-Tube Metadata API and generates the Video Menus. Thumbnails used in video menus are downloaded from You-Tube. When user selects the Video to play the RTSP video stream is played on user mobile.

Responsibilities:

Complete design of Menus presentation and browsing options to user and RTSP streaming.

Project

- **Name of the project:**
CMS Content sync application
- **Environment:**
Linux, JAVA, JSCH (sftp utility), Mysql, Apache-ant, RSYNC, expect and shell scripts.
- **Role:**
Lead Engineer
- **Description:**
CMS content sync utility has capability to integrate with different flavors of CMS. This utility populates the databases with the content metadata provided by CMS either by HTTP API or Metadata file.
Along with filling up of DB with content metadata this application also:
 - a. Downloads the content over sftp using JSCH utility.
 - b. It also syncs with content with different machines using Linux RSYNC utility.

Responsibilities:

Complete study and design of application. Development in shell scripts and sftp part.

Project

- **Name of the project:**
Call control interface for Airtel India Single IVR.
- **Environment:**
CCXML, ECMA scripts, Linux and HP-OCMP.
- **Role:**
Software Engineer
- **Description:**
CCXML based call control interface integrates Comviva cRBT Main IVR and Airtel India Single IVR. This interface able to handle the calls transferred from Single IVR to cRBT Main IVR. Also this interface has capability to re-route the call to Single IVR depend upon the choice of user.
- **Responsibilities:**
Complete design and study. Application development, end to end testing between cRBT IVR and Airtel Portal and made live in Airtel India.

Project

- **Name of the project:**
VXML based cRBT Tone Player
- **Environment**
VXML, CCXML, Linux, Servlets, ECMA scripts, HP-OCMP and Contarra Platform.
- **Role**
Software Engineer
- **Description**
The cRBT Tone Player is the heart of cRBT system, which plays a tone for cRBT user to calling party, depends upon A-party and B-Party combination. This cRBT Tone Player is developed in VXML.
The cRBT Tone Player also supports **Star to Copy Feature**.
- **Responsibilities**
Complete design and study, Application development and end-to-end testing with cRBT backend database.

Project

- **Name of the project:**
Various IVR Projects:
 1. cRBT Main IVR and Multi-modals.
 2. Music on Demand IVR.
 3. Voice Mail service.
 4. Voice Portal.

- **Environment:**
CCXML, ECMA scripts, Linux, Servlets, HP-OCMP and Contarra.
- **Role:**
Software Engineer and Senior Software engineer.
- **Responsibilities:**
Complete ownership of design and development of various IVR and made live in Airtel Sri-Lanka, Vodafone Fiji, Airtel India, Uninor and Videocon.

Education

1999– 2000	73.6 % in Secondary School Examination CBSE
2001 – 2002	73.33 % (P.C.B) & 69.33 % (P.C.M) in Senior Secondary School Examination, CBSE.
2002 – 2005	74.296 % in B.Sc (Hons.)Physics, University of Delhi
2005-2007	8.49 CGPA in M.Sc (Informatics) from Institute of Informatics And Communication, University of Delhi South Campus.

Awards

- 1st Runner up in Hackathon 2012 (24 hour application development event) held in Mahindra Comviva.
- Got best feedbacks in VXML/CCXML training.
- Awarded as Best Performer in cRBT Team for development and design of cRBT OAM, KPI and cRBT Main IVR.
- Awarded a Best Team award for Music on Demand Product design and implementation.
- Awarded a Best Team award for AVAN Application Product design and implementation.
- Awarded individual ACE Award for continuous best performance and for system stability.
- Part of winning team of University of Delhi South campus Cricket series.
- Winner of the Inter-college PHYSICS–Quiz competition (Deen Dayal Upadhyaya College, University of Delhi).
- Stood III in Northern zone WRESTLING competition held at Delhi.

Operating Systems

- Linux
- Window

Programming Languages

- VXML
- CCXML

- PHP
- ECMA SCRIPTS
- C
- JAVA
- Shell Scripting

Media Platform

- HP-OCMP
- Contarra Platform
- Dialogic Vision
- Telesoft Platform

Database

- Mysql
- Oracle

Additional Information

- Project planning and plan preparation using MPP.
- Trainer in Comviva for VXML/CCXML and Media platforms.
- Training the team about TCP/IP and network monitoring tools like Wire shark.
- Support product team in closing RFP documentation related to our product.
- Developed GPRS ASN CDR parsing application for Rwanda 3G Launch.
- Implemented timers in VXML and CCXML which helps is feature development like differential charging and playing small song previews.

Personal Information

Father's Name: Mr. Sunil Pathak

Date of Birth: 14 DECEMBER 1984

Age: 28 years

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