**Viswanath Thiruvengadam**

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**PROFESSIONAL SUMMARY**: Mobile : 571-598-0725

* Over 14 plus years of experience including Six years at onsite, primarily in the areas of Application Development, Automation, Maintenance & Support projects.
* Expertise in Domain Experience Mortgage, BFSI (Retail & Corporate Banking), Logistic and Telecom.
* Strong experience in working with various modules of spring framework like Spring IOC, Spring MVC, Spring DAO, Spring ORM, Spring Actuator, Spring web Flow and Spring webflux.
* Experience in design and development of Enterprise Application using Agile, Java Enterprise Edition, Microservices, Spring Boot with RESTful API, Spring Batch, Spring Cloud, Spring Data, Spring Security, Spring Integration, Spring AOP, Hibernate, JPA, JMS API, Reactive, Swagger.
* Two plus years of AWS Cloud experience working with various AWS services such as EC2, ASG, EMR, Lambda, API Gateway, Route53, S3, RDS, ElastiCache, SNS, SQS & CloudWatch.
* One year experience in implementation of Kafka & handling event driven messaging system.
* Expertise in Struts 2.0 with JSP, HTML, CSS and Hibernate with Oracle DB.
* Good experience on NoSQL databases Redis Cache & MongoDB.
* Hands on experience on writing Queries, Procedures, Functions & Triggers by using PL/SQL.
* Experience in OOAD architecture and modeling and designing artifacts such as Use case, class diagram, sequence diagram and state diagrams using Rational Rose and StarUML.
* 3 years of experience in automation scripting using BDD Frameworks, Cucumber& Selenium.
* Strong experience of version control tools Git, SVN and ClearCase.
* Strong Development & production deployment experience in AWS,Tomcat,WebLogic & WebSphere.

**TECHNICAL SKILLS**

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| **Programming Languages** | Java 8 |
| **Java EE Technologies** | JSP, Servlets, EJB, JNDI, JDBC, JMS, Kafka |
| **Java EE Frameworks** | MicroServices, Spring, Spring Boot, JPA, Hibernate, Struts |
| **Automation / Testing Tools** | BDD, Cucumber, Selenium, JUnit, Mockito, PowerMock |
| **Scripting Languages** | CSS,HTML,JavaScript,JSP,JQuery,ExtJS4.x,Node JS,Angular JS |
| **Databases** | Oracle11g,MySQL5.1,DB2,Sysbase,SQL Server,MongoDB,Redis |
| **Application/Web Servers** | Web Logic12.2.1.3, Web Sphere6.1, Apache Tomcat 9.0, JBOSS |
| **IDE/Tools** | Eclipse,JMeter,JProfiler, Postman, SonarQube,RSA8.0.2, StarUML |
| **Build Tools** | Maven 3.6, ANT |
| **Version Control** | GIT, SVN, Bitbucket, GitHub, Clear Case |
| **Deployment Tools** | Jenkins, Docker, OpenShift |
| **Logging/ Monitoring Tools** | AWS CloudWatch, Splunk, New Relic, PagerDuty, DataDog |
| **Agile Scrum Tools** | JIRA, Rally, GreenHopper, VersionOne, Confluence |

**Certification & Online Learning:**

* AWS (IAM, EC2, ELB, Elastic Beanstalk, RDS, S3, Lambda, API Gateway, Cloud Front, SNS, SQS, DynamoDB, CloudWatch,Elastic Cache) Angular,Apache Cassandra,Devops **June 2020 to August 2021**
* Certified SAFe® 4 Agilist, Scaled Agile Inc, **December 2019**
* Certified ScrumMaster®, Scrum Alliance, **January 2017**

**PROFESSIONAL EXPERIENCE:**

**Client**: CapitalOne, USA, VA October 2021 to Till Date

1.**Consumer Identity(Gravitons & Hodor)**: The InAuth product provides device identification and risk assessment via javascript collector code. In browser collects data related to both real time login and transaction logic, such as geographical and time attributes, plugins, and IP address. This enables the creation of a strong device ID (fingerprint) and helps in uncovering high risk indicators used in determining the trust level of a device. (Browser, Mobile, Admin, WAF, APIGateway, Risk Assessment, Fingerprint-Stream & Finger-Consumer).

**Tools & Environment**: Java8,Spring5,Spring Boot,MySQL,MongoDB,Kafka,Redis,Swagger,RESTful API, Jenkins,Maven,Docker,Git,JIRA,Splunk,JMeter,JProfiler,Junit,Spark,EC2,ECS,S3,RDS,Lambda

**Role & Responsibilities:** Technical Lead/Technical Architect

* Preparation of impact analysis, migration, upgrade and optimization of existing core functionality.
* Responsible of driving meetings with architects, product owners, business and other stakeholders.
* Design & developed springboot microservices internal and public-facing APIs (RESTful, JSON, HTTPs).
* Design & developed springboot microservices rest api request validation & exception handling.
* Involved in the design and development for spring data JPA transaction management.
* Design & implemented Service Registry & Discovery , Load balancing , distributed tracing.
* Design & implemented resilience4j framework to configure Retry, RateLimiter, TimeLimiter, Circuit Breaker, Bulkhead and Cache mechanism.
* Involved in development of reactive web components using spring WebFlux, implemented restcontroller and webclient to publish and consume reactive streams.
* Design & developed secured reactive endpoint with the help of Spring Security.
* Responsible for integrating springboot rest api authorization with 3rd party API's (OAuth).
* Generated Metrics with method level granularity,Persistence using Spring AOP & Spring Actuator.
* Responsible of analysis & resolve any performance issues using JMeter.
* Responsible of analysis performance bottlenecks, memory leaks, CPU loads, and to resolve threading issues using JProfiler.
* Responsible of managing & configuring project setting up one pipeline CI using Jenkins deployment.
* Responsible for deployment of Browser,Mobile,Admin, Risk Assessment, FP-Stream & FP-Consumer.
* Responsible for implementation & configuration of Kafka Messaging Services & Streaming.
* Responsible for AWS provision cluster, rehydrate cluster, deploying services, switch traffic & destroy.
* Responsible of managing & working with Big Data platforms, building & optimizing data pipelines that involve data processing & streaming platforms work with serverless architecture & queuing systems.
* Responsible for collaborating with various teams and also guide project team members.

**Worked with Hexaware Technologies Inc, USA from May 2015 – May 2020**

**Client:** Freddie Mac, McLean, VAFeb 2017 to Feb 2019 & Nov 2019 to May 2020

**1.Credit Risk Transfer Securitization:** Program is to production Alize the CRT offerings at Freddie Mac, and enable enhanced flexibility, safety and soundness. CRT provides capability to create and manage new CRT flexibility in offerings. New CRT offerings can be created as an aggregate of basic CRT for a group of loans. Each CRT offering will provide a coverage up to certain loss %. Some of the CRT Offerings could be similar Securities, CEs and Reinsurance offerings. All CRT financial needs to be accounted at CRT Accounting Engine – this includes STACR, ACIS, WLS, Seller Indemn, MI, etc.

**Tools & Environment**: SAFe Agile,Java8, Spring4, Spring Boot, DB2, Weblogic Server 12.2.1.3, RESTful API,SOAP,Jenkins,Maven,Docker,OpenShift,Bitbucket,JIRA,Junit,Mockito,Cucumber,EC2,ECS,S3,RDS

**Role & Responsibilities:** Java Lead(Development & Automation)

* Actively contributed in SAFe Agile backlog grooming ,planning, stand-up,closure & retrospectives.
* Responsible for requirement analysis, design & development activities for Compare Pro Tool, Rules Flexibility, Deal Scenario, SOX Automation & continuous integration of Smoke & Regression testing.
* Used Spring Boot which is faster in building Micro services, developed with very less configuration.
* Created RESTful and SOAP webservice to send and receive message for TWO WAY response.
* Consumed Web Service using JSON and REST to get the registered users, update their status.
* Worked with JPA annotations to configure entity classes. Generating primary keys using DB Sequences and maintaining relationships with other tables.
* Extensive use of core Java Collections, Generics, Exception Handling & Stream API.
* Implemented Singleton, MVC, DAO & Business Delegate to increase the performance of the system.
* Designed & developed Cucumber Step Definitions, Scenarios, & Features using acceptance criteria.
* Used XPath and DOM to work with dynamic and static objects in Selenium.
* Integrated Jenkins with Git, scheduled builds to run automatically by invoking predefined tag.

**Client:** Freddie Mac, McLean, VAMarch 2019 to October 2019

**2.EIFFEL Enhancements**: Early Funding enables Sellers who utilize Warehouse Lender (WHL) lines of credit to clear their warehouse lines earlier in the funding process, thus lowering their overall funding costs and improving their best execution. This is to provide a source of stable and consistent liquidity to the mortgage market and improve operational efficiency for customers. The purpose of this initiative is to commercialize the Loan-Level Early Funding (LLEF) Pilot program, to open the program to more Sellers, to handle more volume via the program, to have better data movement control, and to automate some manual processes in EIFFEL system in the pilot program.

**LCA Extension Service**: End users of the System (LCA Customers), They can submit their batches Summary File by invoking the eWSG Web Service. Web Service Gateway service(eWSG) exposed to the Business users. Reroute the request to the LCA Extension Web Service. LCA Extension Web Service it accepts the Batches of Summary File from the business users and provide response. Mongo DB – Stores the LCA Extension service and process details.

**Trade Capture**: Application to request and consume underlying collateral data from CSS, and it will be used to transfer data for the following mulit-class interfaces. Setup REMIC Trust (CSP Interface 1.9), Ability to deliver OCS/ Prospectus, Fast File & CDI file (CSP Interface 1.16.1), Receive FNMA CDI/CDU /CDP and FHLMC CDI/CDU /CDP text files (CSP Interface 4.7), Send request and receive data for the REMIC prospectus Look Through (CSP Interface 1.19a and 1.19b), Send request and receive data for the Reverse REMICS Look Through (CSS Interface 1.19a and 1.19b).

**Tools & Environment:** Java8, Spring, Spring JMS listener, Spring JDBC template, RESTful API, SOAP Webservices, Mongo DB, DB2, Weblogic Server 12.2.1.3, APIGEE, Jenkins, Maven, GitHub, Junit, SOAPUI

**Role & Responsibilities:** Sr.Java Developer

* Analyzing the Functional Requirement Specifications (FRS) and Additional Design Specifications (ADS) for finding any ambiguity, incompleteness or incorrectness, so that requirements are technically feasible.
* Analysis and understanding EIFFEL Enhancements, LCA Extension Service & Trade Capture.
* Developed and Consumes Enterprise Web Services (SOAP and RESTful API).
* Consumed Web Service trough APIGEE gateway service,Reroute the request to the LCA Extension.
* Design & developed batches of summary file from the business users and provide response.
* Design & implemented spring core dependency injection & annotations in layered architecture.
* Implemented logging & tracing using Spring AOP, Advice, Aspects and AOP Processor.
* Converted data from XML format into java objects and injected into MongoDB.
* Worked on Data Access Objects (DAO), Singleton, Business Delegate and Factory patterns to increase the performance of the system.
* Preparation & Implementation of test cases using JUnit, Mockito & Used Postman for API’s testing.

**Client:** Freddie Mac, McLean, VAMay 2015 to January 2017

**3.Quantum Whole Loan Underwriting Application**: Integrated quality control system developed to meet the information processing and management needs of Quality Control (QC). Quantum is developed to assist in the evaluation of risk and to track loan, underwriter, and customer decisions under one umbrella. The key goals of the Whole Loan Underwriting Application are: (1) to enable QC to provide better customer service and (2) to maintain better loan-level information for all reviewed loans. These two goals will enable QC to better understand the risk inherent in Freddie Mac’s portfolio. To accomplish these important goals, QC underwrites a sample of loans from our portfolio, determines if these loans are of investment quality and tracks the results of these reviews.

**Tools & Environment:** Java, Appian, DB2, WebLogic Server 12cR2, Jenkins, Maven, GitHub, Junit, Mockito, PowerMock, VersionOne

**Role & Responsibilities:** Sr.Java Developer

* Preparation of impact analysis, migration, upgrade and optimization of existing core functionality.
* Actively participating in iteration requirement analysis, preparation & finalization of user stories.
* Design & Developed the business layer using Appian data models.
* Responsible for accessing the data from databases using MVC Architecture.
* Worked on data access layer using DAO pattern.
* Wrote SQL queries and stored procedures that contained the main business logic and passed to the DB2 database via DAOs and JDBC Template.
* Preparation and Implementation of JUnit Test Cases using Mockito & PowerMock .
* Responsible for peer reviews and ensuring quality of the design and code.
* Strong people skills with a desire to mentor junior developers.

**Worked with Hexaware Technologies Ltd, India From November 2012 – May 2015**

**Client**: Unisys, Minnesota February 2014 to April 2015

**1.LMS - NG:** Logistics Management System Next Generation is a product developed by Hexaware for the Airport Logistic Management System. The product which is currently in production was developed using legacy IBM mainframe. The new LMS NG is developed by migrating it into multilayer J2EE application. The product is a single stop solution for various Airport Logistic Management systems such as booking a flight for transporting different products and generating the Air Way bill. It helps cargo operators increase profitability by being able to access revenue information up front to make informed choices about routes and flights, while improving service by generating more accurate air waybill information for customers.

**Tools & Environment**: Java1.6, JSF2.0, Spring3.1, EJB3.0, Oracle11g, JBoss7.1, Eclipse, IBM RSA 8.0.2, Maven, SVN, Junit, Mockito,PowerMock

**Role & Responsibilities:** Sr.Java Developer

* Responsible for requirement analysis, design and development activities.
* Responsible for development of analysis model, design model & generate skeleton code using RSA.
* Designing & developing Business Rules for respective work flow for the use cases.
* Designing & developing specific use case for class diagrams & sequence diagrams.
* Defining relationships for a class diagram Domain, DTO, DAO, Assembler, Service and Controller.
* Responsible for architecture design, performance optimization and implementation decisions.

**Client**: AON Hewitt, USA August 2013 to December 2013

**2.myHR:** Gateway to HRMS and Domain Solutions - Integrates multiple applications for a common user experience. Employee/Manager/HR Self Service Enables client personnel to view/update their HR information, process work-related actions and monitor HR activities. Configurations or Customizations Enables clients to modify processing and tailor the look and feel of myHR pages; configurations can be made at the company or country level. Activity Center displays targeted notifications and action requests from myHR Domain Solutions. Email Notifications Sends email (If configured) during the myHR processing. Checklists Supports event processing by providing lists of required or optional tasks. Life Events Guides the employees through common activities or milestones (e.g., marriage) that may necessitate changes to HR information. Service Center Integration provides the support and manual processing via Customer Service Centers.

**Tools & Environment**: Java, Struts 2.3, EJB2.0, Oracle10g, Websphere 6.1, Eclipse, SQL Tools, Maven, SVN

**Role & Responsibilities:** Production Support - Team Lead

* Implemented Struts MVC design pattern and front controller pattern to this project.
* Developed user interface by creating at least one webpage for each component using Struts web MVC and Action Servlet as front controller for this application.
* Developed SCM by using the JSP/HTML like one form for each functionality user interface, standard validations using the JavaScript, Servlets used as the controllers for the business logic and business logic using JDBC, XML parsing techniques etc. using MVC.
* Writing SQL Statements and Stored procedures for back end communication using JDBC.
* Involved in development of web interface using JSP, JSTL, Servlets, JavaScript and JDBC for administering and managing users and clients.
* Developed classes using core java (multithreading, concurrency, collections, memory management)
* Incident reported & escalation issues to get more details remote login, chat, on call support & email.
* Receive and analyze application related issue and data related issues from first line support team.
* Monitoring regular basis proactive maintenance, system performance and resources on server.

**Client**: AON Hewitt, USA November 2012 to July 2013

3.**Workbrain**: Gateway Workbrain application is used to track measure and control the amount of work, time and cost devoted to different activities. It’s streamlines the labor planning and budgeting process to ensure accurate, efficient resource allocation. Workbrain automates and standardizes time and labor processes to meet the needs of large, distributed enterprises. Workbrain provides the benefits to the users (Time & Attendance Process, Payroll Process, Leave Management, Scheduling and Security).

Major business processes involved in the application are HR Related data uploads from PeopleSoft to Workbrain, Team and hierarchy related data uploads from ODS to Workbrain, LDAP used for user authentication to Workbrain, Workbrain will capture employee timesheet information and Workbrain provides an outbound file which transfer to PeopleSoft system for payroll processing. All employee work related details are maintaining in Workbrain and Workbrain generates on outbound file and send to PeopleSoft for payroll processing. If it fails then the whole payroll processing stops.

**Tools & Environment**: Java,Servlets,JSP,EJB2.0,JMS,JTS,Oracle9i,WebLogic Server7.0, Eclipse, Maven, SVN

**Role & Responsibilities:** Production Support - Team Lead

* Coordinating with customer and technical help desk (Level 1) for incident reported and escalation issues through remote login, on call support, chat & email.
* Simulating issues in UAT, QA & Development environment providing solution & fixes as per SLA.
* Responsible for Payroll Process, Workflow, Cron Job Operations, Application monitoring & HMW.
* Preparation of impact analysis migration, upgrade and optimization of existing core functionality.
* Preparation of effort estimation of change request and defect fixes.
* Responsible for understanding the business requirement and formulating a test plan.
* Responsible for integration activity for change request, enhancements rollout & implementation.
* Responsible for logging the defects and monitoring the status till the defect is closed.

**Worked as a Specialist in TATA ELXSI Ltd, India from June 2011 to October 2012**

**Client**: Comcast, USA January 2012 to October 2012

**1.Case Flow** : Case flow framework reflects the need of both testers and test developers to have a simple, common interface that supports the basic functions that all tests need to perform (e.g., Test Reports, Error Logs, Defect Reports & Exception Notification). It can improve software quality while reducing testing intervals by making repeat and regression testing easier. It enables test developers to spend their time writing tests, not designing testing frameworks. Test suites can share a common interface allowing for ease of portability.

Case flow framework generic voice test suite automation to provide automated test solutions for Comcast Digital Voice and Business Class Voice infrastructure. The architecture enables to execute the test automatically using stored inputs and expected outcomes. Testing tool (Empirix/IxVoice) is utilized to provide a complete solution by emulating users, for verifying the functionality of the voice products and reliability of the system under test.

**Tools & Environment:** Java, Struts 2.3, Tomcat 6.0, MySQL 5.1, Linux, Eclipse, Star UML, Rally, Sonar, Maven, SVN, Junit, Mockito, PowerMock

**Role & Responsibilities:** Technical Lead

* Designed automation framework modules Test cases Execution, Configuration, Scheduling, Backup, Dashboard and User Management.
* Responsible for domain implementation of Digital Voice (Cedar Point, Cisco- Broadband Telephone Services), Business Class Voice, IMS (Residential & Commercial) platform.
* Developed Application based on Struts framework using MVC design patterns
* Develop front end depending on the Use case specifications with the specific technologies.
* Developed and run the batches that are to be run periodically(either daily or monthly)
* Involved in the Parsing of internal XML format document to retrieve the information and to pass them to Struts Action class for further processing.
* Extensively worked on java Multi-threading programming, Synchronization, Java Mail API and Collections API for concurrent product models upload/download process.
* Client side validations written in JavaScript.
* Created Hibernate mappings (.hbm files) to interact with database.
* Written HQL queries for Data management through Hibernate.
* Used JASPER to design and produce pdf report documents.
* Widely used Design Patterns like DAO, Singleton in the process of system designing & development.
* Responsible for writing Unit test, Acceptence test case and Selenium test’s.

**Client**: Comcast, USA June 2011 to December 2011

**2.CMC – NVDE Deployment Dashboard**: NVDE Deployment Dashboard displays KPI’s in two different Views, a Portfolio view and a Region View. Each view has 6 major areas of data presentation, a persistent matrix displaying high level KPI status, 4 distinct performance quadrants, Velocity, Customer Experience, Predictability and Quality, and an area for trend charts. Users may navigate from one view to another through push buttons or selecting the desired view by clicking on the tab at the bottom of the page. Within each quadrant, to the right of the quadrant name is a quadrant health indicator based on the KPI’s for the Division/Region/Project or Portfolio selected using the drop-down lists. The value displayed represents the overall health of that quadrant based on the KPI’s displayed in that quadrant.

**Tools & Environment**: Java, Struts 2.2, Tomcat 6.0, MySQL 5.1, Linux, Eclipse, Star UML, Rally, Sonar, Maven, SVN, Junit, Mockito, PowerMock

**Role & Responsibilities:** Technical Lead

* Followed Agile Methodology throughout the software development lifecycle.
* Involved in business meetings for requirement gathering and understanding the system needs.
* Analysis and understanding the Pentaho’s BI suite tool for Reporting, Dashboard, Data Analysis, Data Integration & Data Mining.
* Involved in designing UML Diagrams for Technical specification: Activity Diagram, Sequence diagram and Class Diagram using Star UML design tool.
* Responsible for Front-end System Web designing of complex pages, where data is pulled from different service interactions.
* Developed Application on MVC using struts separating presentation from business logic.
* Developed Struts Action Classes, Action Forms and implemented Struts Validation Framework.
* Applied Springs IOC Container to facilitate Dependency Injection.
* Used spring for handling Data Access Exception and Transaction Exception
* Involved in developing the core base Classes and designed the packaging needed for the project.
* Involved in the design and decision making for Hibernate ORM Mapping.
* Worked on SSO to integrate security for user authentication.

**Worked as a Team Lead in Intellect Design Arena Ltd, India from April 2010 to May 2011**

**(Erstwhile Polaris Software Lab Ltd)**

**Client**: Axis Bank & Kotak Bank, India August 2010 to May 2011

**1.Intellect Direct (Card Origination)**: CPV System is an internet based Front end verification system which interacts with the host system to extract the data for which the verification needs to be carried out and all the verified details are entered in the respective Verification templates and the necessary process are done, the verified data will be sent back to the host system. Contact Point Verification will provide the features like a Label Generation option for the system to carry out the verification process by the user, Verification Screens provided for the collected data to be entered in the verification templates, it allows providing rating for the data entered in the verification template, CPV System allows sending the verified data back to the host system.

**Tools & Environment:** Java, Struts 1.3, EJB 2.0, Websphere 6.1, Oracle 10g, UNIX, AIX v6.1, Eclipse, Star UML, SQL Developer, Bugzilla, JProbe, ANT, SVN, Junit, Mockito, PowerMock

**Role & Responsibilities:** Team Lead

* Preparation of Impact analysis, Gap analysis, Comparison study and Query resolution.
* Developed the web interface using MVC design pattern with Struts framework
* Designed and implemented EJBs for encapsulating business logic.
* Developed server side utilities using J2EE technologies Servlets, JSP, JDBC using JDeveloper.
* Developed the JSP’s using the struts framework tag libraries.
* Developed the WORKFLOW concept using the struts framework to avoid the back button problems.
* Maintained the struts config files, tiles definition files and web.xml.
* Session Beans are designed in such a way to serve: Inserting, updating & deleting data from the DB.
* Developed and executed the business validation logic in form beans.
* The framework involves struts framework, which internally uses the J2EE design patterns.
* Involved in developing JUNIT test classes for unit testing used Mockito & PowerMock.
* Responsible for production support application deployment, code migration & DB maintenance.

**Client**: NedBank, SA April 2010 to July 2010

**2.Intellect Cash Management System**: The Cash Management system offering within Ned bank has initiated a project to launch an enhanced cash-management product for its customers. The solution includes Intellect Liquidity that would function as the back-end Product processor and Intellect Portal that would serve as the Internet Channel for Corporate self-service. As part of this engagement, Ned bank would also offer to its corporate customers a facility to view their daily positions in various accounts across banks. Account Balance Retrieval includes Input file transfer from Portal to Ned bank and MT940 message retrieval. Portal displays all three type account balances in Consolidated Balance View screen. Ned bank Accounts balance will be retrieved from Ned bank web service on demand basic, External Bank – Swift Accounts balance retrieved by EOD – MT940 messages and External Bank – Non- Swift Accounts balance retrieved from Portal DB as keyed by user.

**Tools & Environment:** Java, Struts 1.3, EJB 2.0, JAX-WS, SOAP Webservices, WSDL, XSD, Oracle 10g, Websphere 6.1, , UNIX, AIX v6.1, Eclipse, Star UML, SQL Developer, Bugzilla, JProbe, ANT, SVN , Junit

**Role & Responsibilities:** Team Lead

* Preparation of Use case, State Chart Diagrams, Activity Diagrams, Sequence Diagrams, Class Diagrams, Package Diagrams, Component Diagrams & Deployment Diagrams.
* Designed UI using JSP, HTML and validated with Angular JS for providing the user interface.
* Involved in the JDBC, Servlets and JSP technologies to write the UI and the business classes.
* Worked on the struts action classes and action mapping rules in Struts-config.xml .
* Consumed various capabilities as Web Services using SOAP/WSDL.
* Worked on Web Services using Java API for XML Services (JAX-WS)building, supporting & deploying.
* Used SAX and DOM parsers for handling XML documents marshalling and un-marshalling.

**Worked as a Technical Associate in Tech Mahindra, India from November 2006 to April 2010**

**Client**: CISCO, USA October 2008 to March 2010

**1.Broadband Access Center**: BAC is designed to handle the rapid growth of service providers. It targets broadband service providers (including multiple service operators), internet, and voice service providers who want to deploy IP data, voice, and video on hybrid fiber and coaxial cable cabinetwork provides such critical features as redundancy and fails over. It can be integrated into new or existing environments through a provisioning application programming interface (API) that lets you control how BAC operates. You can use the provisioning API to register devices in BAC, assign device configurations, and configure the entire BAC provisioning system. The predominant feature of this release is support for provisioning and managing of CPE that is compliant with the DOCSIS 3.0 specification. With IP version 6 (IPv6) being a large subset of DOCSIS 3.0, this release supports DHCPv6 and DNSv6.

**Tools & Environment**: Java, Servlets, JSP, SNMPv2, JAX-RPC, SOAP Webservices, WSDL, XSD, Tomcat6.0, Sleepy Cat, UNIX, SunSolaris10.0, Eclipse, Star UML, JIRA, Findbugs, ANT, Clear case, Junit, Mockito

**Role & Responsibilities:** Java Developer

* Successfully designed and developed major functionalists like Licensing, Radius features, Device configuration, Provisioning, Grouping, Server Configuration & User profile.
* Implemented major product features for Femtocell technology.
* Implemented J2EE Design Patterns like MVC and Service Locator.
* Exposed various capabilities as Web Services using SOAP/WSDL.
* Developed Web services to communicate to other modules using XML based SOAP.
* Developed MessageHandler Adapter, which converts the data objects into XML message and invoke an enterprise service and vice-versa using Java, JMS and MQ Series.
* Preparation and Implementation of JUnit Test Cases.
* Responsible for deploying the application in UAT and Production environment.
* Resolving and communicating the clients about the problems reported and tracking them.

**Client**: Alcatel–Lucent, Plano, USA July 2007 to September 2008

**2.SSG for SM 826-05:** The SM Backup and Restore application provides a set of system-defined backup sets for SM, ADMIN, TMM and FLXMGR. The system-defined backup sets include the recovery set for each processor. Recovery set contains the application configuration files, which can be backed-up and used to restore during system failure or corruption. The system administrator or privileged user can include either the system-defined backup sets or custom file list to create a user-defined backup set. The user-defined backup sets can be shared across other privileged users. The shared backup sets available to the privileged users cannot be modified or deleted by users other than the owner of the backup set.

**Tools & Environment**: Java, Swing, SS7, SNMPv2, UNIX, SunSolaris10.0, Eclipse, Star UML, JIRA, Check style, ANT, Clear case, Junit

**Role & Responsibilities:** Java Developer

* Analysis and understanding Signaling Server Global for System Manager.
* Participate and contribute in the requirements analysis.
* Design & Development of features and enhancements.
* Preparation and implementation of Unit Test Cases.
* Build and deployment of application in UNIX System.

**Client**: Alcatel–Lucent, Plano, USA March 2007 to June 2007

**3.IMS Client**: IMS Client is a SIP Soft Phone used for establishing a SIP based calls in the IMS Network. It is implemented using the JAIN-SIP stack, SDP API and Java Media Framework APIs. It supports normal IMS registration, authentication and Session initiation. Key functionality includes IMS Call Initiation (Voice and video), Presence, Online, Offline and Bulk messaging, tightly Coupled Conference and Dial History. The role of SDP is for describing multimedia sessions for the purposes of session announcement, session invitation, and other forms of multimedia session initiation.

**Tools & Environment:** Java, SIP Servlets, SDP, RTP, Oracle 9i, Weblogic SIP Server 2.2, Eclipse, Star UML, JIRA, Checkstyle, ANT, Clear case

**Role & Responsibilities:** Java Developer

• Analysis, elaborate and understand the requirements.

• Analysis and understanding SDP call flow.

• The call flow will be routed by a SIP server.

• Design, Coding, Unit testing and implementation of SDP.

**Client**: Alcatel–Lucent, Plano, USA November 2006 to February 2007

**4.ClickToDial**: This Click-To-Dial application is developing to run on indigenous application server and application package interface free using BEA Weblogic SIP Server Version 2.2.0. Click-to-dial allows a user to click on a web page when they wish to speak to a customer service representative. The web server then creates a call between the user and a customer service representative. The call can be between two phones, a phone and an IP host, or two IP hosts. Third party call control allows one entity (which we call the controller) to set up and manage a communications relationship between two or more other parties. Third party call control (referred to as 3pcc) is often uses for operator services (where an operator creates a call that connects two participants together).

**Tools & Environment**: Java, Struts1.3, SIP Servlets, SDP, Oracle9i, Weblogic SIP Server2.2, Eclipse, Star UML, JIRA, Checkstyle, ANT, Clear case

**Role & Responsibilities**: Java Developer

• Analysis and understanding the functional requirements.

• Analysis and understanding SIP call flow.

• Designed and Developed SIP calls flow.

• Designed JDBC connections for all SIP messages in SIP Application Server.

• Implementation of Unit Test Cases based on Unit Specification.

**Qualification:**

* Bachelor of Engineering from Madurai Kamaraj University,

RVS College of Engineering & Technology, Dindigul, India.