**BINIT DATTA**

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Professional Summary

* **Excellent well rounded software engineering experience for over 18 years with a wide range of technologies from database(s) to Java enterprise Edition.**
* **Sound knowledge in cutting edge technologies, with multiple large onsite implementation experience is a definite edge.**
* **Clear and excellent understanding of the project requirements is a USP and results into bug free software components in the first attempt, delivering more value in less time.**
* **Having sound experience on working using Agile methods like EXtreme Programming (XP) and SCRUM and RUP methodologies.**
* **Hands on / First Hand knowledge in architecting, innovating, designing, developing, communicating, and delivering business solutions through software technology solutions for mid size to fortune 500 clients.**
* **Large multi site Custom ERP development (in J2EE / Oracle / UNIX platforms) and implementation experience is a USP and a specific Edge. High level of familiarity with issues in large-scale software projects implementations.**
* **Team oriented positive mindset and a high Emotional Quotient [EQ].**
* **Strong experience in developing and deploying J2EE components in IBM Webspehre 6.1 AppServer and BEA Weblogic 8.x/9.x,**
* **Sound knowledge in J2EE design patterns**.
* **Close to 10 years of experience in J2EE and over 12 years experience in various versions of Oracle.**
* **Over 4 years of experience in WebLogic and over 3 years of experience of IBM Websphere**
* **Proven track record of adding excellent value to individuals and organizations by mentoring and Training Greenfield team members into productive individuals quickly and effectively.**
* Worked in projects, which follow SEI CMM Level 5 model. Have worked in quality-conscious work culture.
* **Excellent team player and motivator with good analytical, planning and interpersonal skills.**
* **Outstanding verbal and written communication skills**.

Technical Skills

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| **Operating Systems** | UNIX (Sun Solaris, AIX), Windows NT/2000/XP |
| **Languages** | Java 1.4, 1.5, 1.6, Groovy, PLSQL, UNIX Shell C , Korn Shell |
| **Relational Databases** | MS SQL Server 5.x, Oracle 8.X, 9.X 10.X, PL/SQL, Triggers, Procedures, Functions, packages, Database and Query Performance Tuning |
| **SDLC** | RUP, Agile, **Extreme Programming (XP), SCRUM**, Waterfall |
| **Modeling Language/Tools** | ERD, UML, Rational Rose, Borland TogetherJ |
| **SCM Environment** | VSS, WinCVS, PVCS, Subversion, CVS |
| **AWS / Cloud** | AWS EC2, VPC, RDS, Launch Configuration, Auto Scaling, AWS CLE, ECS, ELB, CloudWatch Alarms, SNS, automation. |
| **Spring Boot & Cloud** | Spring Boot Actuator, HAL, /health, info, Swagger, Service Discovery Eureka, Declarative Client Feign, Spring Cloud Config Server, Spring Cloud Config Client, Spring Cloud Circuit Breaker Hystrix, Spring Cloud Intelligent Routing Zuul, Spring Cloud Client Side Load Balancing Ribbon |
| **J2EE / SOA / Web Development Skills** | JSP, JSF 1.0 & 1.2, Struts1.1, Servlets, Groovy SwingBuilder, ANT, HTML/DHTML, JavaScript, AJAX, X Doc-Let, , **Apache CXF, JAXB, JAX-WS, Apache MyFaces, Tomahawk**, **Groovy, Groovy on Grails**, JUnit, EasyMock,HttpUnit, JQuery, **Spring Framework and Spring Web Services, LifeRay Portal, JSR 168 and JSR 286, Spring Portlet mvc, Hibernate**, EJB, **Apache** **Lucene**, **Web Services, SOAP, JAX-RPC, RESTLET**, iText PDF Generation tool, CheckStyle, Pivotal Cloud Foundry |
| **OO Design / Tools** | End to End system design using all UML diagrams, Rational Rose, Start UML, and MS Visio. |
| **Middleware** | J2EE, EJB (Container Managed & Bean Managed), JMS, MOM framework like ActiveMQ, Open Source ESB. |
| **Application Servers** | IBM Websphere 5.x and 6.1, BEA Web Logic 7.x, 8.x, 9.x, JBOSS 4.2 |
| **Web Servers** | Tomcat 4.x & 5.x, 6.x, 7.x, Pivotal vFabric tcServer |
| **IDE** | Eclipse, IBM RSA 7.2, IDEA IntelliJ 12.x |
| **XML** | XML, XML Schema, Castor, XPATH, XSLT, , JAXP, JAXB, JibX |
| **Testing** | JUnit, Cactus, Groovy Testing, Grails testing |
| **Security** | Spring Security, JAAS |
| **Version Control / Continuous Integration Tools** | Subversion , CVS, Rational Clearcase, ANT, ANTHillPro, Cruise Control |

EDUCATION

* Bachelor of Science –University of Calcutta, India
* Post Graduate Diploma In Computer Applications (PGDCA) - DOEACC Society, Govt. Of India
* Bachelor Of Science in Information Technology (Enterprise Software Development concentration) 3.866 GPA
* Master Of Science in Information Technology (Enterprise Software Development concentration) 3.946 GPA.

TRAININGS

* Electronic Data Processing And Computer Management (EDPCM) From Bhavan’s College Of Communication And Management, Calcutta, India
* Computers And Information Management (CIM) From UPTRON ACL, Calcutta, India

INDUSTRY CERTIFICATIONS

Sun Certified Enterprise Architect (SCEA) completed in 2010

Cloudera Certified Hadoop Developer, 2011

Cloudera Certified Hadoop Administrator, perused for knowing the inner details of Hadoop, 2011.

PROFESSIONAL EXPERIENCE

**Sears Holdings Corporation Feb 2014 – Till Date**

**Hoffman Estates, IL**

**Product Detail Page (PDP)**

Sears Holdings Corporation has multiple high transactional volume Ecommerce websites such as sears.com, kmart.com, kenmore.com, craftsman.com as well as others. The entire websites share a complex distributed architecture using state of art technologies involving relational as well as NoSQL data storage platforms, load balanced JVMs running Java Web applications with Apache Web Server, MOD\_JK and Apache Tomcat. The Product Detail Page (PDP) is an important page of the websites where customers actually view, learn, compare, decide and finally buy the product. The single page application (SPA) is built using HTML5, Backbone.js, Chaplin, Handlebar, Bootstrap, and CoffeeScript and makes a series of AJAX calls to the backend PDP Service REST layer. The PDP Services REST application aggregates and accumulates information from other internal services such as Dynamic Page Template service, Product Content Service, Fulfillment Services (Delivery, Shipping, Store Pick UP), Ecoupon Services, Promotion Service, Rebates Service, Add To Cart Service, among others. The Dynamic Page Template service is unique as it enables Sears to use the same front end SPA application JavaScript / CoffeeScript code to load pages that look very different to the users of the different web sites. During non-peak time, the cluster receives 50,000 calls per second on an average, while during the Thanksgiving weekend; the peak load routinely goes above 75,000 calls per second. Due to Sears robust load testing effort all throughout the year, on several occasions in a typical month, there is SOASTA testing that tests the website in level 1 through level 4 as well. Besides, this application, the PDP Services team also develops and maintains two other REST APIs such as the Auto Fitment services application (used by Auto Parts products) as well as Browse Services which are used by the Product Listing Page (PLP).

Responsibility:

* Played important role in Browse Services Knowledge Transfer Sessions and reduced time absorb the application.
* Led, Designed and mentored incorporation of instant debugging xVerbose tool into Browse Services application, reducing time to detect causes of defects and eliminated long running phone calls to a large extant.
* Led, Design Developed service to detect data issues to Browse Routing Service API to find root causes within minutes instead of hours. Influenced rapid resolution of web site issues due to bad data.
* Playing the role of an early adapter in AWS Cloud migration projects, mentored team members, wrote knowledge based emails to clarify AWS concepts.
* Playing the role of an early adapter in Microservices migration projects, mentored team members on Spring Boot and Spring Cloud, wrote knowledge based emails to clarify Cloud architectural concepts.
* Developed POC for Ratings & Review application to use MongoDB and Redis instead of MySQL.
* Analyzed and Designed solution for Ratings & Review application for linked swatch issue to use one review for one appliance product to be used for other linked appliances with the same product.
* Assisted Bundle Pricing Migration Service to the Pricing Application.
* Playing key role in understanding critical cross team techno-functional issues and providing solutions through email, clarifying them in meetings and designing them for implementation, reducing time to market for critical customer impacting areas of the sites.
* Designed Developed Version Services for static assets such as JS and CSS files.
* Designed Developed Rebates API.
* Led, Designed Developed and implemented ReserveIt functionality.
* Implemented MongoDB backup by auto generating mongoexport command lines for parameterized mongo collection names.
* Led, Designed and Developed Integration Testing automation, early warning system, and reporting.
* Led, Designed and Developed Sears International Services.
* Led, Designed and Developed Sears / Kmart Puertorico Services.
* Led, Designed and Developed Sears Bundle and Collection Of Things Pricing Service.
* Led, Designed and took partial part in migration development of PDP Admin Tool using AngularJS.
* Led, Designed and Developed Local Ad Pricing API.
* Led, Designed and Developed Store Pick Up Service API.
* Reduced work effort by properly identifying responsible teams for Production Service Now Tickcets and facilitating the reassignment of these tickets. This is important to keep the development focused in development without being side tracked.
* Led, Designed and took partial part in development of new Template page of the Admin Tool.
* Wrote Jenkins Job for production deployment to two data centers.
* Attended and guided deployment of PDP Services.
* Implemented performance monitoring JMX reporting to Apache Tomcat with Codahel Metrics.
* Attended and supported SOASTA load testing.

**Environment**: Scrum Agile process, Play Framework 1.2.7, Java 7, Java 8, Apache Web Server 2.4,Apache Tomcat 7.x, MongoDB 2.x, Mongo Morphia ODM, Google Guice, RESTFul Services, Spring Framework, , HTML5,CSS,SonarQube,Cobertura,Splunk,Codahel Metrics, Jenkins CI, Graphite Monitoring Tool , AngularJS, Eclipse, Jetbrains WebStorm.

**Northern Trust, Chicago IL Oct 2013 – Feb, 2014**

**Solution Architect**

**PaaS Installation and Commissioning:**

Northern Trust purchased the Pivotal Cloud Foundry PaaS platform to migrate their old Java legacy application to a private PaaS environment. This project is about installing the Pivotal Cloud Foundry product on top of VMware vSphere and porting three of the legacy Java EJB application to run on Cloud Foundry.

Responsibility:

* Learned installation about the Cloud Foundry platform from Pivotal Cloud Foundry engineers.
* Installed Cloud Foundry product on vSphere.
* Migrated PDI application by converting EJBs to Spring beans and demonstrated the application.
* Migrated EWB application by converting EJBs to Spring beans and demonstrated the application.
* Migrated ORC application by converting EJBs to Spring beans and demonstrated the application.
* Prepared detailed documentation for the Northern Trust team.
* Mentored Northern Trust team of developers on Cloud Foundry.
* Provided on going consulting and training in educating Northern Trust developers about Spring, Cloud Foundry and java legacy project migration to Spring and running them Cloud Foundry.

**Environment**: Scrum Agile process, Pivotal Cloud Foundry, Idea IntelliJ, Spring framework JDBC, Spring Cloud, Oracle, EJB

**Apple, Cupertino, CA June 11, 2012 – Sept 2013**

**Solution Architect / Lead Developer / Best Practice Guide**

**User Metadata Management 3.0 (UDM 3.0) :**  UDM : User Metadata Management is application integration project that presents a Browser based UI to view, edit, insert , delete and upload metadata for a 56 different application areas like AppleCare, Apple Online Store and so on. Its UI is built using ExtJS, the service layer using Spring framework, Spring JDBC and Spring AOP. It also integrates with several of Apples internal system for file storage, data transfer from the stage table to the core application table, sending mails etc. It uses RabitMQ for sending messages to the eventing framework which transfer data from stage table to the core table. It uses Oracle as its own configuration database and the primary application database is in Teradata. When a new application is commission in UDM, the application owner fills up a form which is then entered into the Oracle config database. From that point on, the application users are enabled to use the UDM interface to their data related tasks.

**Responsibility:**

* Architected, design and written the low level design document with UML diagrams, and detailed program logic.
* Designed the UDM database in Oracle with performance improvement in mind.
* Consulted on project risks and to keep the development team on track to delivery.
* Made several deep code reviews with coding convention and performance in mind helping to improve the code.
* Set up RabitMQ cluster, and helped design the RabitMQ exchanges, queues, bindings, and user permissions.
* Trained the development team in RabitMQ concepts.
* Written Spring Mvc service for file upload and grid data service
* Written Spring AOP aspect and configured it for query execution time measurement.
* Enforced Spring MVC 3's annotation oriented development practices.

**Environment**: Scrum Agile process, Spring framework (Core, JDBC, MVC, Testing, Scheduling), Teradata, Oracle, SQL Developer, ExtJS

**Tactical Query Service (TQS 2):** This is a WSO2 ESB based Data Service application in which data service ices with SQL queries, stored procedure calls and created and deployed as Carbon Archives (CAR) files to be consumed by other Apple Dashboard applications. The primary purpose of this application of the ease and convenience of serving Apple data to other applications. High reuse is one of the design goals that are achieved with this. This application also uses WSO2 Governance Registry to store the XSD, XSL and other such metadata.

**Responsibility:**

* Learnt WSO2 framework quickly
* Develop Product Launch Dashboard queries including XSL transformation, XSD validation and other registry components.
* Consulted on production migration

**Environment**: Scrum Agile process, Spring framework JDBC, Oracle, Eclipse, Servlet, WSO2 Data Service.

**Global Dashboard Counter Services**: This is a Dashboard which shows Apple’s product sale performance right after the product launch. This is viewed by the topmost layer of Apple’s management. This application uses a complex time critical architecture involving Oracle database row level triggers sending messages to high performance RabitMQ cluster, queues. The queues are listened to by a web application using Apache Camel to route / push the updates to the EXTJS Browser UI using Web Socket.

**Responsibility:**

* Developed Oracle java classes to be called from the Oracle database trigger for AMQP message generation
* Developed the architecture diagram and taken decisive part in finalizing the architecture
* Learnt Apache Camel to get database data using Camel JDBC component
* Still contributing in Camel as this an ongoing project

**Environment**: Scrum Agile process, Spring framework JDBC, Spring MVC, ExtJS, Eclipse

**Freight Rate, DemanTra, End to End Dashboard**: These are part of Apple’s Global Business Intelligence Dashboard. All of them are developed using ExtJS front end and a Spring backend, accepting query criteria and pulling data from the Oracle / Teradata database backend using the spring backend. All of them share file upload and download as well.

**Responsibility:**

* Worked in all three as a best practice Guide
* Reviewed design document, architecture diagrams
* Reviewed Code and helped implement Spring best practice

**Environment**: Scrum Agile process, Spring framework JDBC, Spring MVC, ExtJS, Eclipse

**Nokia / Navteq Location & Content, Chicago, IL Nov 1, 2010 – June 5th, 2012**

**J2EE Architect / Oracle Performance Engineer**

**Probe Data (PD):**  The Probe Data application is a Core java based application that processes GPS data received from cell phone service providers to analyze missing road geometries to eventually help enhance Nokia road network products. It has a Hadoop cluster and associated Map Reduce programs to apply algorithms on GPS Data to learn about driving patterns on new roads. It also has, a series of core java components to create potential road images i.e. clusters based on GPS points. Apart from these two main components, it also has a single web application for report generation, and a desktop application (C#) for viewing missing roads and a crowdsourcing framework for reviewing road networks maps. These components relies on Hadoop, JMS using QPid, core java, spring framework, hibernate and JDBC, and PLSQL.

**Responsibilities:**

* Architected / designed the team’s crowdsourcing framework.
* Working with Nokia Agile Work Group (AWG) to facilitate continuous deployment / delivery of code to production
* Exploring Puppet Master for seamless machine provisioning
* Architected, designed, developed crowdsourcing framework with spring, hibernate, GeoServver, Geotools to generate road, satellite and hybrid images to send to Clickworker.com for crowdsourcing new geometry detection.
* Worked with GeoServer and GeoTools to install and configure Map Stores to generate Road network images from Oracle spatial databases.
* Written java components for cluster (i.e. roads) analyzer meta data writer.
* Written JUnit tests for existing components
* Written Core java components for Parking Lot analysis
* Written spring and hibernate components for Probe Console application.
* Written new PLSQL data access packages for Cluster Analyzer
* Formed Oracle Performance Tuning / Troubleshooting strategy for the dev team
* Written new core java components for enhancing the Partioner application
* Analyzed Oracle execution plans for slow performing queries, recommended ways for improving response time.
* Worked with DBAs to implement Query response time improvement
* Worked on implementing of scheduled of copy script prod database into System Test and UAT environments.
* Profiled plsql packages using dbms\_profiler build package.
* Written Core java components for Database Writer.

**Environment**: Scrum Agile process, Spring framework Hibernate, QPid MOM, Linux, Oracle, JBOSS, Visual Studio, SVN, Eclipse, TOAD

**Blue Cross Blue Shield Association (BCBSA), Chicago, IL May, 10 – Oct 31st 2010**

**Application Architect**

**Blue Health Intelligence (BHI Portal):**  BCBSA is the parent umbrella organization of all Blue Cross Health insurance companies across US. Blue Health Intelligence is the central Data Warehousing project intended to allow member plans submit their medical and pharmacy claim data monthly. These submitted data is then cleaned, loaded, processed and enriched to add business value for plans. The entire process runs through several stages of verification. There is internal as well external certification of these data by BHI PMO, member plans and external agencies such as Milliman.

The BHI Portal is a web site hosted using Liferay Portal enterprise edition. This BHI Portal portlets are used by BCBSA Project Management Organization (PMO) as well as plans for verification / certification as well to access the Cognos reports.

**Responsibilities:**

* Own the SDLC to Change the BHI SearchPortlet during upgrade of Google Search Appliance (GSA) from version 5.0 to 6.0
  + Written use case document
  + Written SearchPortlet detailed design document.
  + Organized team meetings for review of document and to get business sign off.
  + Written JSR generic portlet for the search and presentation screens, tested in dev,
  + Supported product verification team during quality testing.
* Own the SDLC to customize LifeRay’s built in Calendar portlet to accommodate BHI PMO’s requirement of adding a distribution list and email notification whenever calendar events are created.
  + Written Calendar System Use Case and created tagged requirements in Rational ReqPro
  + Developed 4 Workgroup Submission screens as prototypes.
  + Developed Java components to generate confirmation emails for workgroup submission
  + Developed Liferay Struts portlet components to receive confirmation link clicks and update confirmation statuses.
  + Worked with other developer who was working on java components for sending email notification for event creation, updating and deletion.
  + Supported Quality testing and deployment
* Share ownership of the SDLC for the project to upgrade Liferay 5.1.4 to Liferay 5.2.
* Create System Use Cases for existing BHI Portlets Adam Portlet and the Admin Portlet.
* Create System Use Case and Detailed Design Document for Medical Integration Portlets: DCV Group Plan Setup portlet, DCVPlanSubmission Portlet, L4CertificationPortlet, MICompletionFactor portlet and MI Subscription portlet.

**Environment** : Liferay 5.1.4 / 5.2 sp4, Spring including portlet mvc,JSR 168 Generic portlets, Hibernate, Oracle, IBM Websphere App Server, IBM DB2, SiteMinder, Cognos, AIX.

**Pearson VUE, Bloomington, Minneapolis, MN Nov 09 – Apr, 10**

**Senior J2EE Architect / Developer**

**Centralized Capacity Management (CSM):**  This is an internal website that helps Pearson users centrally view / manage capacity / availability for their entire test centers located all over the world in different regions and countries. This replaces a test center specific availability management desktop tool which is cumbersome and very time consuming. The GUI is delivered through Apache MyFaces and the service back end is implemented using apache CXF, JAX-WS and JAXB. The database is MS SQL Server.

**Environment**: Apache CXF, JAX-WS, JAXB, Spring, Hibernate, Apache MyFaces, SOAP UI, Windows servers, Oracle.

**Jostens Inc., Richfield, Minneapolis, MN Jan 09 – Oct 09**

**J2EE Application Architect**

**Jostens Yearbook Avenue:** This is a website that helps Jostens clients [schools / colleges / organization, universities etc] create, design, edit, and upload images, print copies of Yearbooks. The websites page designer tool is template based and helps the user(s) get started in no time. The page designer has tools to add images, different shapes, text in various forms lines; the website helps the users keep history data as well. The front end of this application is built in Adobe Flex 3.x and the web services are implemented in J2EE, Spring Framework, Hibernate, Groovy, Grails. The Flex application communicates in XML with the j2ee backend. The marshalling and un-marshalling is taken care of by the JibX bind tool.

**Environment:** Oracle 10G database, SQL, Apache Tomcat 6.x, Java 1.5, Groovy, Grails, Hibernate, Spring Framework, IBM Websphere 6.1, Eclipse IDE, JUnit, JSP, JavaScript, Java, CheckStyle, , SCRUM practices, SOA, Rational Cruise Control, Subversion.

**OptumHealth Inc, Golden Valley, Minneapolis, MN Jan 08 – Dec 08**

**Senior Designer / Developer**

**OptumHealth Clarity:** It is a web based premium provider information search engine used by United Health Group internal nurses for health care providers, Physicians and Facilities / Hospital information retrieval, analysis and value added comparison. The current effort is on to publish this product for general public to be used over the Internet.

**Environment:** Oracle 10G database, SQL, JBOSS Application Server, IBM Websphere 6.1, Rational Rose, MyEclipse IDE, JUnit, Spring Framework, Spring MVC, Apache Lucene, iText PDF Generation Tool, JSP, JavaScript, Java, Hibernate, JPA, Xdoclet, Maven, CSS, Unix, CheckStyle, Mercury Quality Center (Test Director), RUP methodologies, SOA, Web services, ANTHillPro, Subversion.

**Express Scripts Inc, Minneapolis, MN July 07 - Dec 07**

**Lead J2EE Designer / Developer / Analyst / Team Lead (4 Developers)**

**Client Share Online**: It is a web based enterprise application that serves as an MIS application for rebates analysis and approval of allocated payments done by the Client Share Batch application. It supports setting up / querying Client Hierarchies like Super Client, Client Divisions, Plan Types, BPL and Groups and manage their relationships. It also supports creation / modification of rules for allocation and assigning the rules to various client hierarchy levels, Financial Close activities, and creation of Allocation Periods, Processed periods and review and approval of payments through various payment statuses. Additionally it has multiple groups of online drill down reports for various levels of management.

**Environment:** Oracle 10G database, SQL, PL/SQL, JBOSS Application Server, IBM Websphere App Server, Rational Rose, , JSP, JavaScript, Java, Junit, Spring framework Core Spring MVC, Hibernate, Xdoclet, ANT, CSS, Unix, Mercury Quality Center (Test Director), RUP methodologies, CheckStyle, SOA, Web services.

**WellsFargo Home Mortgage, Des Moines, IA Aug 06 - July 07**

**Lead Designer / Developer / Analyst**

**CORE (Common Opportunities, Results, and Experiences): Implementation / Customization of Enterprise Originations (EO) product from CGI-AMS.** CORE is the umbrella project that is broken down into three functional tiers with associated delivery teams: Customer Facing, Deal Processing, and Deal Decisioning. The primary business driver of CORE is to allow the business to meet speed to market needs; this pervades into almost every aspect of the loan origination process using Service Oriented Architectures (SOA) and Web Services.

**Environment:** Oracle 9i database, Enterprise Origination (EO, from CGI-AMS), Rational Rose, Rational Requisite Pro, Rational Clear Quest, RSA, Checkstyle, SQL, PL/SQL, Hibernate, CSS, ANT, IBM Websphere, SOA, Web services, JUnit, Spring Framework, Spring mvc, SCRUM and XP methodologies, Unix.

**Bellsouth, USA, Atlanta, GA Apr 05 to Jun 06**

**Lead Technical Architect / Team Lead (12 Developers)**

**Core Services / Consolidated Retail GUI (CRG): Core** Services forms the business logic layer of Dial and DSL customers of BellSouth’s Broadband business. Core Services session beans were exposed as Web services deployed in Weblogic App Server to server as the backbone of the SOA architecture. Core Services is the functional back end for a assortment of client application that are responsible from Dial Ordering (REAP), different types DSL ordering (Oracle CRM), Customer Care Tool (CCTOOL), Billing Change Tool (BCTOOL), XML Gateway, CRG to name a few.

**Environment:** Oracle 9i, SQL, PL/SQL, BEA Weblogic App Server, ANT, JSP, JSF 1.0, EJB, JUnit RSA, JDK1.4.1, UML, Unix (Sun Solaris O.S 5.8), SOA, CSS, Web services, Struts, Agile (XP) methodologies.

**Coal India Pvt. Ltd. and its subsidiaries Feb 03-Mar 05**

**Lead Architect / Team Lead**

**COAL Net (Phase-I): This** project is to develop and implement a Web-Based Integrated Transactional Enterprise Application system, named CoalNet Application, for Coal India Limited (CIL) and all of its Subsidiary Companies covering all of their business areas and served as a Service Oriented backbone of en entire company using session beans exposed as Web Services.

**Environment:** RUP methodologies, Extreme Programming, SOA, Oracle 9i database, BEA Weblogic Application Server, SQL, PL/SQL, CSS, ANT, JSP, EJB, Eclipse, JDK1.3.1, Apache HTTP Server, Sun Solaris O.S 5.8, Unix (IBM AIX 5.4).