**Bibek Lal Shrestha**

**Professional Experience:**

* **Java/J2EE Full Stack Developer with 9 years of experience** on **Enterprise applications, Distributed Application Development, Client/Server Applications, Servlets communication, Internet/Intranet based database applications and developing, testing and implementing application environment.**
* Excellent understanding of **Software Development Life Cycle (SDLC), Software Testing life Cycle.**
* Experienced in a fast **Agile Development Environment including Test-Driven Development (TDD) and Scrum.**
* Expertise in UML which includes creating Use-Case diagrams, Class diagrams, Interaction diagrams (Sequence diagrams, Activity diagrams) using Designer tools like **MS Visio and Rational Rose.**
* Extensive experience of designing and developing software applications with the **JDK , J2EE, EJB, Java, JSP, JSF, Servlets, Java Beans, AJAX, ORM, Web services, JDBC, XML, JavaScript, JQuery, AngularJS, CSS/3, HTML/5, SOAP, REST.**
* Experienced working on **LAMP (Linux, Apache, MySQL, PHP) stack.**
* Proficient in **Java/J2EE Design** Patterns **including singleton, Factory, Model View Controller (MVC), Data Access Object (DAO), and Business Delegate.** Well versed with core Java concepts like **collections, multithreading, serialization, Java beans.**
* Proficient in designing applications using Java and J2EE Design Patterns such **as Creational, Structural and Behavioral design patterns Singleton, Factory, Facade, Builder, Observer, Command Patterns, Value/Data Transfer etc.**
* Good Working experience in using different modules **like Spring Core Container Module, Spring Application Context Module, SpringBoot, Spring MVC Framework module, Spring AOP Module, Spring ORM Module, Spring Batch in Spring Framework.**
* Good working experience in using different modules like Dropwizard Core Container Module, REST API, UVIOCITY Parser module, JDBI, YAML Configuration in Dropwizard framework.
* Extensive experience in implementing the **Splunk**. **Logging, analysis of logs, error tracing, Data analysis, Big Data** analytics using **Splunk**.
* Extensive experience in implementing and supporting **Identity and Access management** environments comprised of Oracle **Identity** Manager (OIM) and Oracle **Identity** Analytics (OAI).
* Strong understanding of **MVC/Struts, Design Patterns (like Factory, Singleton, Adapter, Observer, Prototype, Session Façade, Service Locator, DAO, Business Delegate and Value Object).**
* Skilled in **Web designing & development, using HTML5, CSS3, JavaScript, PHP, jQuery, XML, Bootstrap, AngularJS, JSP, JSON, JSF and AJAX.**
* Experienced with AngularJS directives **ng-app, ng-init, ng-model for initialization of AngularJS application data, implemented AngularJS Expressions, Directives, Controllers, filters and created Angular JS service layer.**
* Extensively worked on **Responsive Web Design (RWD) using Bootstrap and CSS3 Media Queries.**
* **Experienced in SOA and Web Services technologies, including Restful, JAX-WS, JAX-RPC, Axis, SOAP, XML, WSDL, SAX and SAAS based design.**
* Proficient with development of Restful Web Services using **JAX-RS and Jersey framework** for exchange of **JSON and XML representations.**
* Expertise in XML and related technologies like **XSL, XSLT, XPATH and parsers like JAXP (SAX, DOM) and JAXB.**
* Experience in Hibernate which includes integrating legacy databases, writing custom **CRUD statements,** integrating **stored procedures** and functions and also performed polymorphic associations.
* Experienced in writing **complex Queries, Stored procedures, functions, packages, tables, views and triggers with major databases such as Oracle, SQL- SERVER, DB2 and MySQL.**
* Extensive working knowledge in **Shell Scripting, UNIX, LINUX and Windows platforms.**
* Experienced in using Control Version Systems like **ClearCase, CVS and SVN and issue tracking tools like Bit bucket and JIRA (Reporting).**
* Worked extensively on Application Servers like **Web Logic, IBM Web Sphere, JBoss and Apache Tomcat Web Server.**
* Extensive development experience on different IDE's **like Eclipse, IBM Rational Application Developer, IntelliJ and NetBeans.**
* Experience in working with Continuous Integration and **Continuous Deployment using Jenkins application server.**
* Excellent analytical, logical and **programming skills, Self-Motivated, Self-Starter, and Team Player, can work with minimal supervision. Effective Communication, Organizational and Time management skills.**

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| Technologies | **Java, J2EE, JEE7, EJB, JSP/JSF, Servlets, JDBC, JNDI, Java Mail, JDBI, Messaging (JMS), Multithreading, Web Services, SOAP, REST, SQL, PL/SQL, LDAP.** |
| Web Technologies | **JavaScript, HTML/5, XHTML, DHTML, XML, CSS/3, Angular, Bootstrap, Foundation** |
| Application Servers | **WebLogic, WebSphere, Tomcat, Jboss** |
| Frameworks/ORM tools | **Spring, Struts, Hibernate, DropWizard** |
| Databases | **MS SQL Server, MySQL, Oracle, DB2** |
| Operating System | **Windows, Unix, Linux** |
| IDE | **Eclipse, Net Beans, RAD, IntelliJ** |
| Tools | **Maven, Junit, ANT, Toad, Git, MS Visio, Mongo Chef, Web Storm, SLF4J** |

**Education:** Bachelor’s in Information Technology from Sikkim Manipal University-2007

**Professional Experiences**

**Autodesk, San Francisco, CA Aug 2016 - Current**

**Sr. Java Developer**

**Responsibility:**

* Followed **agile methodology** and involved in daily **SCRUM meetings, sprint planning, showcases and retrospective and used multiple tracking tools for the sprints.**
* **Extensively** used **JIRA**  to follow agile methodology.
* Involved in complete **SDLC - Requirement Analysis, Architect proposed solution, High Level Design documentation, Review and Validate development effort, Support System Integration and User Acceptance Testing, Deployment and Release Management.**
* Hands-on experience on **HTML5, CSS3, jQuery** and **Angular JS** to design UI page.
* Extensively used **DropWizard, JDBI** and used **Dropwizard** to implement **MVC framework with** **Dependency Injection** in **Pricing Data Application - PDA.**
* Developed full REST Web service API for backend using Dropwizard framework.
* Implemented web services based on **REST** using **Dropwizard with JAX-RS** with **Maven dependencies**.
* Implemented business logic using **MCV architecture**.
* Extensive experience in implementing the **Splunk**. **Logging, analysis of logs, message tracking, error tracing, Data analysis, Big Data** analytics using **Splunk**.
* Implemented & developed various **Simple and Complex Queries** using **JDBI**.
* Created and managed development and continuous integration environments automated through **Jenkins** using **Shell scripting with UNIX environment.**
* Used **Maven scripts** for building and deploying applications.
* Used **Intellij IDE** for designing, coding and developing applications.
* JUnit Frameworks were used for performing unit and integration testing by writing test cases.
* Deployed the application on **Apache Application Server**.

**Environment:** Agile Methodology, Jira,  Java, Jenkins, MVC, JavaScript, AngularJs, Servlet, DropWizard , Splunk, SLF4J, Restful Web Services, Junit, JDBI, XML, WebLogic, MySQL, Maven , Intellij, HTML5, CSS3, JQuery, JDBC, Unix, CVS.

**Nationwide Insurance, Columbus, Ohio May 2015 - July 2016**

**Sr. Java Developer**

**Responsibility:**

* Followed **agile methodology** and involved in daily **SCRUM meetings, sprint planning, showcases and retrospective and used multiple tracking tools for the sprints.**
* Involved in complete **SDLC - Requirement Analysis, Architect proposed solution, High Level Design documentation, Review and Validate development effort, Support System Integration and User Acceptance Testing, Deployment and Release Management.**
* Developed the back-end logic layer by using most of the Core Java 8 features such **as Collections Framework, Interfaces, Multi-threading and Exception Handling programming.**
* Designed **Class Diagrams, Sequence Diagrams and Object Diagrams, using IBM Rational Rose to model the detail design of the application.**
* Hands-on experience on **HTML5, CSS3, JavaScript, JSF, jQuery, Bootstrap and Angular JS** to design responsive UI page and collaborate with **project manager, media engineer, content management team and QA team to improve multiple browsers page readability and CMS integration.**
* Developed responsive web application pages. Used **Angular.JS services, controllers and directives for front end UI and consumed REST web service API.**
* Extensively used **Spring IOC, AOP concepts** and used **Spring MVC framework** to inject objects based on the selection of components like setter injection to manage object references.
* Implemented proprietary Login handler for **Identity and Access management**.
* Implemented SOA architecture developing web services based on **REST using JAX-RS with Maven dependencies.**
* Have used Apache CXF mainly to make use of **WS-Reliable Messaging, WS-Secure Conversation** specifications to establish security contexts for multiple SOAP message exchanges and to allow messages to be reliably delivered between distributed applications.
* Used **Hibernate, Spring JDBC and SQL left and right joins** to execute database communication, SQL to execute SQL queries to the database tables, JMS for reliable and asynchronous communication.
* Designed and developed various **Simple and Complex Queries, PL/SQL procedures, Stored Procedures, Trigger and Functions.**
* Used **Oracle 10g** as database and Involved in the development of **PL/SQL backend implementation and using SQL created Select, Update and Delete statements.**
* Implemented various **XML technologies like DTD schemas, JAXB parsers, XSL style sheets and XSLT.**
* Used **Apache MQ series to send and receive XML sheets by writing a java code on JMS client.**
* Created and managed development and continuous integration environments automated through Jenkins using **Shell scripting with UNIX environment.**
* Used **Maven and ANT scripts** for building and deploying applications.
* Used **Eclipse IDE** for designing, coding and developing applications.
* JUnit Frameworks were used for performing unit and integration testing by writing test cases.
* Deployed the application on **IBM Web Sphere Application Server**.

**Environment:** Agile Methodology, Java, Jenkins, MVC, JavaScript, AngularJS, Servlet, Spring, Hibernate, Log4J, RESTful Web Services, Junit, XML, WebLogic, MySQL, Maven , Eclipse, HTML5, CSS3, JQuery, JDBC, Unix, CVS.

**Primera BCBS, Seattle, WA July 2014 – May 2015**

**Sr. Java Developer**

**Responsibility:**

* Involved in all phases of the **Software development life cycle (SDLC) using Agile Methodology**.
* Feasibility analysis, estimation, analysis of existing application to support the rewrite, prototyping, impact analysis, coding, code review, bug and defects fixing.
* Used **J2EE design patterns like Value Object Pattern, Business Delegate, service locator, session facade, Singleton, Factory and DAO.**
* Developed UI screens for attendance module **using AngularJS, HTML5, CSS, Bootstrap and JavaScript.**
* Worked with **AngularJS** filters in expressions and directives to filter data rendered in **the UI. Displayed tabular data using AngularJS by applying filters on the table data.**
* Used **Bootstrap tables and grids** for displaying data on the UI.
* Implemented **Spring MVC architecture and Spring Bean Factory using IOC.** Configured **Bean properties using Spring Boot annotation for dependency injection.**
* Worked on **Identity and Access management** using Java and J2EE technologies.
* Implemented **RESTful network communication protocol** to consume a **web service, getting JSON response and parsing them to get the required information.**
* Developed Web Services to communicate to other modules using **XML based SOAP and WSDL protocols.**
* Used **JAX-WS(SOAP)** for producing web services and involved in writing programs to consume the web services using **SOA with CXF framework.**
* Developed **Hibernate** with Spring Integration as the **data abstraction** to interact with the database and used dependency injection (DI) using **Spring framework and annotations.**
* Developed **Oracle Database Tables** used to store real-time data from multiple Client Workstations using a data portal with data flow control and crosscheck filters and involved in the performance tuning of **PL/SQL statements**.
* Developed **Stored Procedures, Triggers and Functions and actively involved in tuning SQL queries, Stored Procedures.**
* Developed Listeners using **JMS and configured them to connect IBM MQ using spring templates.**
* **Used Rational Application Developer (RAD) which is based on Eclipse, to develop and debug application code.**
* Supported Build Team to deploy the application on Web Logic Application Server using **Jenkins Jobs.**
* **Used ANT scripts for building the application.**
* Performed unit testing using JUNIT framework and used Test Cases for testing Action Classes.
* Monitored the logs using Log4j and fixed the problems and used **SVN for version control.**

**Environment:** Java , J2EE, Struts, Hibernate, Spring, JSP, Servlets, JMS, XML, SOAP, WSDL, JDBC, JavaScript, UML, Shell, JNDI, CVS, JUnit, Web-Logic, RAD, Rational Rose, Rational Clear case, Oracle.

**Halliburton, Houston, Texas January 2013 – June 2014**

**Java Full Stack Developer**

**Responsibility:**

* Involved **in requirement gathering, application architecture** and process flow wherever applicable. Implementing Spring/ Tiles based framework to present the data to the user.
* Developed the application using **Struts Framework** that leverages **classical Model View Layer (MVC)** architecture. UML diagrams like use cases, class diagrams, interaction diagrams (sequence and collaboration) and activity diagrams were used.
* Developed front end using **Struts framework, business components using EJB's. Prepared EJB deployment descriptors using XML.**
* Coded different action classes in struts responsible for maintaining deployment descriptors like **struts-config, ejb-jar and web.xml using XML.**
* Created the web UI using **Struts, JSP, Servlets and Custom tags.**
* Deployment of Application in the JBOSS Server environment using ANT tool using Struts architecture with the JSP Client.
* Designed and developed **Caching and Logging service using Singleton pattern**, **Log4j**. Involved in Configuration and Usage of **Apache Log4J** for logging and debugging purposes.
* Developed code for the registration of the enrolling customer. Developed login and authorization of utility bills payment process for registered customers.
* Application integration with Spring Web Services to fetch data from external Benefits application using **SOA architecture**, configuring WSDL based on SOAP specifications and marshalling and un-marshalling using JAXB.
* Developed web services in Java and Experienced with **SOAP.**
* Involved in designing the database in SQL Server, developed the **SQL queries using joins, stored procedures and triggers, creating views and updating code to IBM Rational Clear case for Source code control.**
* Solving **QA defects, scheduling fixes, providing support to production application.**
* Developing Test Cases and unit testing using JUnit. Performed Unit and System Testing and prepared test cases and test reports.
* Involved in walkthroughs and the installation process.

**Environment:** Core java, Java 1.5, Struts, J2EE, JSP, Servlets, SQL Server, EJB, Junit , Spring, JNDI, PL/SQL, ANT, JBOSS, XML, JavaScript, Eclipse, Web Services, Log4j.

**Parkland Hospital, Dallas, Texas April 2011 – December 2012**

**Java Full Stack Developer**

**Responsibility:**

* Configured and maintained various software extensions for the **LAMP architecture.**
* Clear understanding of the entire project life cycle including **Analysis, Design, and Development.**
* Created Survey Systems module for collecting the decision critical feedback on various issues.
* Designed applications in **AJAX with rich user interfaces.**
* Wrote programs using PHP for easy manages of **MYSQL database operation.**
* Created the helpdesk for user's queries to meet the bulk queries submitted by the user.
* Upload the code and do necessary changes and test the application in server, if needed then fix the bugs and test again.
* Extensively used JQuery Table sorter plug-in as a data grid for sorting and freezing headers and footers for many tables which holds huge data related to vendors under the specific Contract vehicle.
* Implemented module for sending E-mail Newsletter. Did integration **with Face book, Digitt, Myspace bookmarks in the application.**
* Built Web Services using **SOAP and XML using PHP and implemented Tree Based Parsing.**
* Building Customize modules in **Drupal depends on client requirement.**
* Involved in developing various **CMA** controlled features for existing system.
* Involved in Fine Tuning of application in **Drupal**.
* Involved in Security Fixes in the application level (by updating core and contributed modules).
* Configured NFS and AUTOFS clients for file sharing on about 40 clients.
* Clear understanding of the entire project life cycle including **Analysis, Design, and Development.**
* **Developed Object Oriented PHP application.**
* Integrated the application with **Face Book API.**

**Environment:** PHP, Linux, SVN/Git (Source Control), Mysql, JavaScript Drupal5, Drupal 6, HTML4/5, CSS 2/3.

**Cooperative Training and Division office, Kaski, Nepal August 2009 – April 2011**

**Java Developer**

**Responsibility:**

* **Developed and design the application.**
* **Design and developed the database.**
* Design web application from scratch where more than **300+ cooperative firms** can update their transaction into the system.
* Data processing and generating **financial reports** for the government and Central Bank of Nepal.
* Developed using **Java, Java Servlet, JSP, HTML, Ajax, CSS, and JavaScript.**
* Developed application using **MVC design pattern.**
* Develop application parallel synchronizing the data with legacy system.
* Worked on **all three layer backend, middle tire, business tire and front end.**
* Application workflow and database design.
* Worked on optimization of code which result on performance.
* Developed on **Apache Tomcat environment.**
* Followed **Agile methodology for development of application.**

**Environment:** J2EE, Core Java, JSP, PL/SQL, Servlets, Oracle, Tomcat Server, Data Structures, MySql, HTML, CSS.

**BizSolutions Pvt. Ltd., Pokhara, Nepal** **May 2007 – July 2009**

**Java/ PHP developer**

**Responsibility:**

* Developed a **web based application for Hotel Booking for various client.**
* Users can browse for available room &amp; get more information about hotel.
* **Online booking system.**
* **Check-in and checkout system.**
* Front-end was developed using **JSP, HTML, CSS, JavaScript, Ajax.**
* **Back-end** was developed using **Java, Servlet.**
* **MySQL** is used as database.
* Developed using **MVC pattern**

**Environment:** J2EE, Core Java, Servlets, MySql, HTML, CSS, Ajax, JavaScript.

**Education: Bachelor’s in Information technology- 2007**