

Gagan Thapa
Java Full Stack Developer
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ONLY c2c

- **Java/J2EE Full Stack Developer with 7 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.
- Experience in developing Enterprise applications using Java, Spring, Hibernate, multi-threading, Collections, Swing development, Memory Management, J2EE, EJB, JSF, Servlets, Java Beans, Web Services (SOAP, RESTful), JMS, JDBC and JSP.
- Strong experience in implementation and design of **MVC architecture** using **Spring MVC, Spring Boot and Hibernate 5.0 for persistence**.
- As a Senior Full Stack Java Developer, involved in all phases of the end-to-end implementation project- requirements gathering, analysis and design, development, testing and debugging.
- Good exposure to develop web applications using technologies like **HTML, JavaScript, CSS, AJAX, JQUERY, JSON, DOJO, JSP, JSTL and Tag libs for creating dynamic pages and actions**
- Expertise in implementing **Service Oriented Architectures (SOA)** with XML based **Web Services (SOAP & REST)** with technologies like **WSDL, SOAP, UDDI, AXIS, CXF, JAXB, JAX-RS, JAX-WS, JERSEY** and **Web Methods**.
- Extensively experienced in architectural issues and their solutions using various design patterns such as **MVC (Model-View-Controller), Singleton, Session Facade, Service Locator, Factory, View Dispatcher, Factory, Adapters, DAO, DTO and Business Delegate**.
- Hands on experience in writing test cases using **JUnit, SoapUI and Postman for Web Services testing**.
- Expertise in deploying the applications on cloud services like **IBM Bluemix, AWS**.
- Knowledge of **XML Suite of Technologies WSDL, XML, XSD, XSL, XSLT**, and validations with **DTD and XML Schema** and processing profile with **SAX, DOM Parsers**.
- Hands on experience with various Application Servers and Web Servers including **Web Sphere, Web logic, JBoss, Tomcat server with wide variety of development tools like Eclipse, Net Beans**.
- Experienced in using **Waterfall and Agile Methodologies and Scrum** software development process.
- Experience in **Log4J** for extensible logging, debugging and error tracing.
- Presentation tier developed by using **Struts, written Action Classes, Bean Classes** and configured the application by using **Struts Configuration file**.
- **Cloud based deployment experience on Amazon EC2 and their other offerings like S3 and AWS**
- Broad work involvement in various Open Source systems, like **Struts 2.x, Struts 1.x, Spring**.
- Working with server-side innovations, for example **J2EE, JSTL, JSP and Servlets**.
- Developed Java API to connect with AWS S3 Services for storing and retrieving data stored in the S3 buckets
- Good experience in working with clients to determine their needs, gather, analyze and document requirements, communicate with clients throughout the development cycle, manage client's expectations, resolve issues and provide project status.
- Have strong understanding of **OOPS and MVC concepts**.
- Finish comprehension and improvement encounter utilizing **Java 7, Web frameworks - Spring, Web services and MySQL database**.
- Exposure in working on Cloud environment - developed and deployed application into **IBM Bluemix cloud, AWS cloud**.
- Experience in working with high traffic, high-availability and application-driven Internet websites.
- Expertise in sending the **SNS messages to the SQS queues by using Amazon web services**.
- Experience in application related issues and troubleshooting environment related issues as well using different tools like Spunk.
- Tested and Deployed the applications by Continuous Integration/Continuous Deployment using tools like **Jenkins and Docker**.
- Experienced in **AGILE** procedures and applying best practices in programming development, for example, engineering, plan designs, peer programming, unit testing.
- Experience on XML parsers to parse the data when making web service calls for **SOAP and Restful APIs**.
- Developed, Tested and Deployed applications in Windows and Linux environments.
- Experienced in setting up Jenkins for continuous integration and continuous builds with Maven and ANT. Gathered the business requirements, worked closely with the business users, project leaders and developers. Analyzed the business requirements and designed conceptual and logical data models.
- Brilliant UI skills on **HTML5, CSS3, bootstrap, jQuery and various other JS frameworks**.
- Encounter on creating UI by using **Angular 1.5 and Angular 2.0**.
- Used Selenium for automating the web services.

- Experience in using different tools like **Eclipse, TOAD, Oracle SQL developer, MySQL workbench etc.,**
- Developed automated testing platforms and written unit tests using **Junit and Mockito.**
- Good knowledge with **CVS, GIT and SVN** for code management and version control.
- Highly motivated and a self-starter with effective communication and organizational skills, combined with attention to detail and business process improvements.
- Good team player with ability to solve problems, organize and prioritize multiple tasks.
- Have very strong inter-personal skills and the ability to work independently and with the group, can learn quickly and easily adaptable to the working environment.

EDUCATION

Bachelor of Science in Information Systems: Graduated The University of Texas – Arlington

TECHNICAL PROFICIENCY

Category	Expertise/Tools
Application Development	Java 1.7, JavaScript, Servlets, Struts framework, JSP, XML, Hibernate, JPA, MyBatis, NodeJS, SOAP-1.1, JAX-WS 2.0, JAX-RS – Restful Services (Jersey, Spring, Node-JS).
Java Skills	J2EE, JDBC, EJB, JAX-M, JAXP, JAXB, Java Server Pages (JSP), Multithreading, JMS.
Configuration Management Tools	CVS, Clear Case, SVN, Git and Surround SCM.
Servers	IBM Websphere, JBOSS, Weblogic, Tomcat, Node server
Front End UI	AngularJS, HTML 4.01/5, XML, JavaScript, JQuery, CSS 2/3, Bootstrap, AJAX, SASS, Selenium, Cucumber
Database	DB2, MYSQL, Oracle 11g, 10g, 9i, 8i, SQL Server 2000/2005, MongoDB, Couchdb
IDE	Websphere RAD 6.0, Eclipse 4.2.1, Spring tool suite, WSAD, Eclipse EE 3.0/3.2, Weblogic Workshop, RSA 7.0 and Netbeans
Operating System	Windows, Linux, Unix
Tools	TOAD, Putty, SQL Developer, Squirrel, MY SQL workbench, RoboMongo
Languages	SQL, PL/SQL, UNIX Shell Scripting, Java

PROJECT EXPERIENCE

Client: H-E-B, San Antonio, TX
Till Date
Role: Sr. Full Stack Java Developer

Sep'20-

Project Description: H-E-B Grocery Company, LP, is an American privately held supermarket chain based in San Antonio, Texas, with more than 340 stores throughout the U.S. state of Texas, as well as in northeast Mexico. The company also operates Central Market, an upscale organic and fine foods retailer

Roles & Responsibilities:

- Followed **Agile** methodology and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
- Designed the front-end screens using **AngularJS, HTML5, CSS3, JavaScript, JQuery, Bootstrap and Spring Boot**.
- Developed **Angular** controllers, services, filters and developed HTML templates with various Angular directives such as **ng-app, ng-controller, ng-repeat, ng-if, ng-show, ng-hide, ng-change, ng-blur** etc..
- Developed Grid's used in the system using **Slickgrid** and created custom grid directive to make the component reusable.
- Used various **Angular UI Bootstrap** components such as calendars, masks, uploaders, sliders, alerts, modal dialogs etc. for developing the UI.
- Took part in setting up the routing configuration using **Angular UI router** for various views and sub views.
- Configured **Gulp** to perform various UI build and test related tasks and used **NodeJS NPM** and **Bower** to manage the dependencies.
- Developed **Angular** services making use of resource service to perform **REST API** calls to the backend.
- Developed unit test cases using **Jasmine** and **Karma** and performed end to end testing using **Protractor** and **Selenium**
- Developed **REST** controllers using **Spring Data REST** to serve the UI with required **JSON** data.
- Developed **REST exception handling** controller advices to respond to bad requests and server side exceptions.
- Used complete annotation driven approach to develop the application using **Spring Boot** and was also involved in setting up the Spring bean profiling.
- Consumed **SOAP/ JAX-WS** based web services using **Spring** framework and used **SOAP UI** for testing these services.
- Hands on experience with one or more Cloud Infrastructure and Services like Amazon AWS
- Used **REST Client** and **POSTMAN** to test the rest based services and used **Junit** and **Mockito** to test the middleware services.
- Worked with Middleware using **Message driven by POJO** (MDP) after creating QCF, Queue on WebSphere server, and using **JMS** template for asynchronous functionality for multiple users.
- Used **Hibernate** in the persistence layer and implemented DAO's to access data from database.
- Used **Node.js** to run Grunt tasks and build properly the project (compile, minify, concat etc.) and Implement modules into Node JS to integrate with designs and requirements. Used GruntJS, BowerJS, Express from NodeJS.
- Involved in enhancing existing **MEAN (MongoDB, Express, Angular and Node)** stack applications and provided the required support.
- Build **REST** web service by building **Node.js** Server in the back-end to handle requests sent from the front end **jQuery Ajax calls**.
- Developing a product-level cloud-based architecture in AWS and maintaining a farm of AWS resources like EC2 instances, ELB's and Auto scaling
- Made the integration of data in several applications in favor JSON documents with dynamic schemas using **MongoDB** (NOSQL) database.
- Created various **MongoDB** collections and wrote services to store and retrieve user data from for the application on devices and used **Mongoose** API in order to access the **MongoDB** from **NodeJS**.
- Used **GIT** as version control system, to keep track of all the work & all changes, allowing several developers to collaborate and used **Maven** as build and configuration tool and **Jenkins** for continuous integration tool.
- Involved in configuration and usage of **Apache Log4J** for logging and debugging purposes. Used **RAD** as IDE tool to develop the application.
- Prepared Documentation for Unit Test Plan and Unit Test Results for the QA purpose. Participated in the release night shakeouts/over night deliveries and **QA Support**.
- Used **Veracode** for application security scanning and remediated the flaws that were identified in the code.
- Took part in setting up the application with **Jenkins** and **AWS** and is involved in builds and deployments to **Tomcat** server.

Environment: Java 7, STS, Tomcat 7, Gulp, Spring Tool Suite, Spring, Spring Boot, Hibernate, MongoDB, RESTful Web Service, Oracle, HTML5, CSS3, JQuery, AngularJS, Node Js, Express, JavaScript, GIT, JMS, Jenkins, Agile, JIRA tool, Selenium, Log4j, Maven, AWS.

Client:	United	Health	Group Plymouth,
MN			Oct'19-Aug'20
Role: Sr. Full Stack Java Developer			

Project Description: Scope of the project: As a leading health and well-being company, UnitedHealth Group's mission is to help people live healthier lives. We are committed to minimizing our impact on the environment by conserving energy and natural resources and raising employee awareness about improving the environment.

Roles & Responsibilities:

- Designed and Developed User Interactive (UI) Web pages using **HTML5, React-JS, Bootstrap, CSS, JavaScript, JQuery, AJAX and NodeJS**.
- Created reusable components used across various modules using **React-JS, React-DOM, Bootstrap and JSX**.
- Involved in the Analysis, Design and Development.
- Implemented the concepts of Agile methodology to produce merit application by attending, preparing story cards, participating in daily standups and sprint demos.
- Developed the application using Struts Framework which is based on the MVC design Pattern.
- Implemented the presentation layer (GUI), based on open source framework, involving **Servlets, JSP, JSTL, JSF, CSS3, HTML5, JavaScript and GWT**.
- Highly involved in UI responsive designs of the project using **HTML5, JQuery, CSS/CSS3, JavaScript, DOJO, Bootstrap, Node JS**.
- Designed and developed the system used for Amazon EC2, S3, CloudWatch, and AWS Elastic Environments, including monitoring individual instances, and managing individual components and SNS, SQS for asynchronous workflow
- Developed JavaScript based components using **External JS framework like GRID**, Tree Panel with client reports customized according to user requirements.
- Strongly involved in building and deploying the application into public **Bluemix using Toolchain**.
- Used **jQuery, Angular JS and Node JS** to develop rich user interface and to invoke **RESTful Web Services** to perform various operations.
- Worked with Toad to overlook databases and create **SQL queries** to gather and alter data. Also combined with Hibernate for testing flow of data from the application to Database.
- Used Maven for developing **build scripts** and deploying the application onto **WebLogic**.
- Performed backend operations using **Hibernate and native SQL** on various databases.
- Experienced in **Cognos 10, report net with Report Studio, Framework Manager, Query Studio, Analysis Studio and Cognos Connection**.
- Used AWS CloudWatch to monitor the application and to store the logging information
- Developed user specific Highlights (dashboard menu) section, **Home Page, Admin home page, user module using Spring framework, Hibernate ORM module, Spring Core Module, XML, JSP and XSLT**.
- Worked on Web Services using **Java API for XML, JSON Services(JAX_RS)** and worked on build, deploying **RESTful web services**.
- Designed, built, and deployed a multitude application using the AWS stack (Including EC2, MongoDB, Docker, Kubernetes Orchestration container (EKS) focusing on high-availability, fault tolerance, and auto-scaling and Load Balancing)
- Developed test suites in **Selenium WebDriver (Java) with TestNG framework in Eclipse IDE** for regression and sanity testing.
- Written Unit and Integration tests using **JUnit, JMock and Easy Mock**.
- Used **log4J** for logging.
- Fixed various defects assigned on the **JIRA**.
- Used Git as the version control tool and **Microsoft Visual Studio Code as IDE** for developing frontend using **Node JS**.
- Major contribution on POC for major enhancements and presentations to client.
- Conducted code review session at the end of the sprint and be the point of contact for code quality.
- Involved in application performance tuning using Wily, profiling and provided alternate solutions to improve the performance.

Environment: Java 1.6, Junit 4, JBoss 7, Oracle 10g, HTML,JSP, Javascript, React-JS, Node-JS,Mongo-db, REST, Spring, Struts, JSF, EJB, jQuery, AJAX, Bootstrap, JSON, Toad, SQL Server, DB2, Clear Case, Selenium, UM L, JSP, JIRA, Cognos, Jenkins, Agile, Git and Junit.

Client:
VA

Unisys,

Reston,
Nov'18-Oct'19

Role: Java/J2EE Developer

Project Description: Unisys is a global information technology company that solves complex IT challenges at the intersection of modern and mission critical. The Project is related to the design and development of the user interface solutions for desktop, mobile and web-based applications. The designs should support business goals and follow contemporary user centered design principles. Organize information by translating user behavior into media structures and elements to craft user friendly interactive experiences.

Roles & Responsibilities:

- Experienced in performing extensive analysis and design by working on projects of all sizes that require exposure to all aspects of the project life cycle and creating and maintaining documentation in conformance with established standards.
- Designed various **UI** screens required for the ticket information and bookings. Used **Struts MVC** at presentation layers. Development front-end content using **JSP, Servlets, DHTML, Java Script, CSS, HTML**.
- Implemented **Spring Beans** using IOC and Transaction management features to handle the transactions and business logic. Integrated the **Struts framework** and the **Spring framework** together.
- Extensive use of **Struts Framework** for Controller components and View components.
- Created and maintained Simulator using Spring Source Tool Suite.
- Used AWS CloudWatch to monitor the application and to store the logging information
- Developing application using **Spring MVC, Dependency Injection** to improve usability and flexibility. Used **Spring JDBC Template** and implemented **DAO Design Pattern** to connect and retrieving data. Developed the application using the **Stripes framework** and worked as a part of developing the most of the action bean classes.
- Implemented Data Access Layer using **ibatis**, developed **POJO's** mapped to the relational tables in database using Ibatis mapping files. Worked on Oracle as the backend database and used **ibatis** to automate the mapping between the **SQL Databases** and the Java Objects.
- Constructed database objects like Packages, Procedures, Functions, Batches, SQL Queries, Views, Indexes, and Exceptions using **Toad**. Wrote PL/SQL stored procedures for Oracle database.
- Created **SOAP** web service for sending payment processing informational data to third company. Followed top down approach to implement **SOAP** based web services. Tested SOAP web services using SOAP UI.
- Used **Java Mailing or Messaging Service (JMS)** API's for mailing detailed notifications depending upon the success and failure once the backend process is complete and also for mailing administrator of any system related problems.
- Configured **WebLogic** Application Server and participated in structured code reviews / walkthroughs. Support installation of application releases into production as directed.
- Used **Jira** for tracking bugs and used **Gradle with Jenkins** for building and deploying the application to multiple environments and created Daily Rolling Log using **Log4j**.
- Used Microsoft Visual Explorer for **Agile Methodology** and Used **NetBeans IDE**. Used **TOAD** for database query testing, in the process of optimizing the queries.
- Worked on Construction (Changes in Code), **Unit testing** and Test Result. Responsible for unit testing and integration testing, bugs fixing, handling change requests.
- Developed **Junit** test cases for test coverage of the application and Implemented Unit and Integration test cases with JUNIT Framework based on Functional Flow.

Environment: J2EE, JSP, Servlets, DHTML, Java Script, CSS, HTML, Spring, Struts, ibatis, SOAP based WebServices, Oracle, PL/SQL, Toad 9.6.1, JUnit, JQuery, Oracle, PL/SQL, SQL Navigator, SVN, Gradle 2.4 and WebLogic Server.

Client:	Harley	Davidson	Milwaukee,
WI		Nov'17-Oct'18	
Role: JAVA/J2EE Developer			

Project Description: Harley Davidson is the largest motorcycle manufacturing company in United States providing motorcycles to general public as well as the law enforcement units departments like Federal Defense and Cops. The company has an official online store where we can purchase all the accessories of Harley Davidson. It has different modules like Rider's essentials, House essentials, Gift Guides, Bike upgrades and some apparel. Vehicle Order Management (VOM) is a web application, which allows Harley Davidson dealers and the customers to submit an order and get back the information for available production slots and possible delivery date, get a Monthly payment estimate quote, schedule for

a test ride where a customer can choose which bike and where to test ride and Build Your Own bike module which allows us to custom build a bike. I was a part of the online store and VOM technical team who worked on backend java.

Roles & Responsibilities:

- Analyzed and extracted the event flows of the UI layer code written in JavaScript, struts, java applets and **JSPs** to come up with the sequence diagram for various transactions. Developed Pop-in Dialog JSPs and passing Request Parameters using **JavaScript, JQuery, JSTL**.
- UI Implementation with **Struts**, JavaScript, Struts Validation framework on **MyEclipse IDE**. Applied Struts features like Tiles and Validation framework. Designed and implemented Struts (MVC Paradigm) components such as Action Mapping, Action class, Dispatch action class, Action Form bean, and a form set for validation.
- UI Implementation with **Struts**, JavaScript, Struts Validation framework on **MyEclipse IDE**. Applied Struts features like Tiles and Validation framework. Designed and implemented Struts (MVC Paradigm) components such as Action Mapping, Action class, Dispatch action class, Action Form bean, and a form set for validation.
- Implemented **MVC architecture** by using Struts/Swings to send and receive the data from front-end to business layer. Integrated the Struts and **Hibernate** to achieve Object relational mapping. Used apache struts to develop the web-based components and implemented DAO.
- Leveraged struts-validations, struts-beans tag libraries. Used **struts Action Servlet** to route the request to corresponding Action Classes. Developed Action forms, Action classes using Struts framework to handle user requests and Implemented Struts Bean Tags, Logical Tags and Display Tags in JSPs.
- Involved in the development modules using Flex 3.0, Action Script and integrating with J2EE layer using Blaze DS and Spring MVC frame work. Involved in development of server side modules using **SpringMVC, SpringIOC, Spring AOP, and AspectJ**.
- Developed application using **Struts, JSP, JSTL and AJAX** on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
- Developed stored procedures, triggers, functions for the application. Analyzed the DAO and persistence layers to extract the data manipulation information for various transactions.
- Identified the **webservices (SOAP)**, topics (TIBCO EMS/JMS)/queues (MQ's), underlying databases and other automation areas that will be impacted with the new software development and develop a test automation framework.
- Involved in designing data schema and development of SOAP web services with Axis implementation and REST web services with **JAX-RS**. Consumed SOAP and REST web services to get the persisted data from different databases.
- Configured Struts-config. XML for action mappings. Involved in implementing the Message Oriented Middleware for Asynchronous communication in Enterprise application.
- Experience evaluating user requests for new programs or modified program components to determine feasibility, cost and time required, compatibility with current systems, and computer capabilities.
- Involved in implementing **Value Object Pattern, MVC & Factory Pattern**.
- Worked with Tibco and Ecommerce as a part of checkout flow. Deployed application on **JBOSS** Application server.
- Used **Subversion** for version control management and consistently produced high quality code through disciplined and rigorous unit testing (**JUnit**).Used **Jira** for tracking bugs.Used **Maven** script for building and deploying the application.

Environment:J2EE, JBOSS Application Server, JSP, JQuery, Struts, Spring, Hibernate, SOAP based Webservices, Oracle, Rational Application Developer 6.0, Maven , JUnit, and Subversion.

Client: WA Role: Java/J2EE Programmer	CostCo, Issaquah, May'16-Nov'17
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Project Description: Costco Wholesale Corporation is an American multinational corporation which operates a chain of membership-only big-box retail stores. As of 2020, Costco was the fifth largest retailer in the world, and the world's largest retailer of choice and prime beef, organic foods, rotisserie chicken, and wine.

Roles & Responsibilities:

- Designed User Interface using **Java Server Faces (JSF), HTML, Cascading Style Sheets (CSS), and XML**. Implemented JSF framework extensively which involves building the whole user interface components using JSF tab panels, Panel groups and data tables.
- Integrated components like partial triggers, calendar, and action/value change listeners with JSF for enhancing the front end GUI layout.
- Developed additional UI Components using JSF and implemented an asynchronous, **AJAX** communication (**JQuery**) based rich client to improve customer experience.
- Developed the user interface screens using **JSF2.0** and Prime faces component library. Also used Rich faces to customize some of the components in XHTML pages.

- Developed the presentation layer using Model View Architecture implemented by **Spring MVC**. Managed Spring Core for dependency injection/Inversion of control (IOC) and managed the security with the help of Spring Security (ACEGI).
- Tested the web services using SOAPUI and Web Service Explorer. Used SOAP for Web Services by exchanging XML data between applications over HTTP.
- Developed the XSL to convert and compare the SOAP to simple XML and vice versa. Developed SOAP Web services for getting information from third party.
- Developed various **EJBs** (session and entity beans) for handling business logic and data manipulations from the database. Developed Data access bean and developed EJBs that are used to access data from the database.
- Developed Servlets and Java Server Pages (JSP), to route the submittals to the **EJB** components and render-retrieved information using Session Facade, Service Locator (design pattern).
- Implemented the business logic under the **Servlets** and **simple Java Bean** components to be used under the various modules in the System and developed and database connection using **JDBC**.
- Analyzed the existing access system and re-designed it in **Oracle 8i** by developing data validation and load processes using PL/SQL Stored Procedures, Functions, and Triggers to enhance and improve functionality requested by business for reducing manual processing time.
- Used Dynamic SQL (DBMS_SQL, DBMS_DDL) in Functions and Procedures. Created database Triggers to record Insertion, Updating, Deletion and all other audit routines. Responsible for Code Reviews and PL/SQL Code Tuning.
- Involved in the overall system's support and maintenance services such as Defect Fixing, Feature Enhancements, Testing and Documentation.
- Used CVS for version control management and Maven for Build. Deployed an application in Tomcat server.

Environment: HTML, CSS, Java Script, JSP, JSF, EJB, Spring, SOAP based Webservices, Eclipse, Tomcat, Oracle 8i, PL/SQL, CVS, Maven, Waterfall.