



Sandeep Thapa
Full Stack Java Developer
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PROFESSIONAL SUMMARY

- **Around 8 years of IT experience in design and development** of enterprise applications with complete Software Development Life Cycle utilizing **Java** and **J2EE** advances.
- Experience in developing web applications using **J2EE**, **Servlets2.1**, **JSP**, **Spring5/4**, **AngularJS**, **Struts**, **Hibernate**, **EJB**, **JMS**, **JDBC**, **JAVAX-WS**, **HTML**, **CSS**, and **ReactJS**.
- Good knowledge on client-side **Java 8** framework **Angular6/7** with **NGRX** to achieve **MVVM** design flow using directives, observables, promises, dependency injection from component to services, pipes, shadow Dom (to render DOM tree).
- Using **Eclipse**, **My Eclipse**, **IntelliJ IDEA**, **RAD**, **NetBeans** integrated development environment for writing **Java** classes and handling **Java/J2EE** projects.
- working with various **Spring** Framework modules like **Spring Core**, **Spring MVC**, **Spring AOP**, **Spring Security**, **Spring Batch**, **Spring Integration** and **Spring Boot2.3.1/1.2.6**.
- Experience in integrating Business classes with web application security standards like **OWASP** (Open Web Application Security Project) and **OASIS** (Organization for the Advancement of Structured Information Standards).
- Working on **Service Oriented Architecture (SOA)** for developing Web Services using **SOAP (Simple object Access Protocol)**.
- Written **WSDL** files for XML Http Request and XML Http Response in **SOAP**. Utilized **JAX-WSAPI** in developing Web services client and server application model.
- Experience in implementing Object Oriented **Python 3.6.0**, Hash Tables (Dictionaries) and Multithreading, Django, MYSQL, Exception Handling and Collections.
- Creating a responsive web offer wall so that it could be integrated with any iOS/Android app via a web view, the project was created with **Google Cloud** and **PHP**.
- Strong Working experience in **Agile Scrum**, **Waterfall** and **Test-driven development** methodologies working experience in **Azure** Logic apps, Service Bus, DocumentDB and SQL Database and Data warehouse.
- Deploying the spring boot micro services to **Pivotal Cloud Foundry (PCF)** using build pack and Jenkins for continuous integration spring Core Annotations for Dependency Injection Spring DI and Spring MVC for **REST** and Spring Boot for Microservices
- Publishing **REST API using Apache CXF 3.1.9** framework in combination with **Apache Active MQ** in Service oriented architecture. CFX provides Asynchronous support for request/response binding.
- Knowledge in **Microservices** deployment patterns like multiple service instances per host, service instance per host, service instance per VM, and service instance for container.
- Better understanding of using **Spring Cloud–Netflix OSS** stack for **micro services** deployment and auto configurations like **Ribbon** (client-side Load Balancer), **Hystrix** (latency and fault tolerance library) and **Zuul** (gateway for routing, monitoring, security) with **Eureka** service registry.
- Involving in deployment of web-based applications using different Web application servers such as **JBOSS**, **Apache Tomcat**, **Web Sphere** and **Web Logic**.
- Working in messaging technologies like **JMS** (Point-to-Point), **Kafka (Publish & subscribe)**, **MQ series**. Implemented **Javamail APIs** to send e-mails.



- Implementing in database transaction operations using **Hibernate ORM** framework. Configured Hibernate configuration file and Mapping files. Implemented one-one, one-many, many-one, many-many mappings.
- Good work experience on **RDBMS** like **Oracle** and **MySQL**. Performed CRUD operations using SQL statements like Data Definition language, Transaction control, Session Control, System control, Data Manipulation language & Sub queries.
- Experience in working with NoSQL databases like **MongoDB**, **Cassandra** for handling huge amounts of data. Involved in Handled Database access operations.
- Implementing **AWS** Solutions using **EC2**, Elastic Load Balancer and worked on **AWS Toolkit** to develop, deploy and debug Web applications.
- Hanging on experience in **Continuous Integration/Continuous delivery (CI/CD)** tool **Jenkins** for deploying applications to **AWS** and on-premise servers.
- Experience with containerization technologies, including **Docker**, **Kubernetes**, or **Rancher**. Well versed with **OpenStack** based cloud infrastructure
- Experience in developing the project by value-driven and plan-driven environments using Core **Java** concepts which includes Object-oriented designs, Collections, Exception Handling, Multithreading, Functional Interfaces and stream API.
- Working on Build tools such as **Apache Maven 3.0**, **Gradle**, **Apache ANT** utilized **Log4J** Framework for logging services to address log-back issues, supporting JSON, xml property configurations.

TECHNICAL SKILL SET

Languages	J2EE , Java 11/8/7/5, C/C++, XML, UML, SQL, PL/SQL2.3/2.1
Scripting	jQuery, JavaScript, Shell Script, Python
Java Technologies	Servlets2.1, JSP, EJB, JAX-RS API, JAX-WS, JPA, JUNIT3.8, Swagger2.4.6
Web Technologies	HTML5, CSS3, AJAX, JSON, SOAP, REST, REST API, Bootstrap, AngularJS, Angular6/7, ReactJS with Flux, Redux, Ember JS, CI/CD, NodeJS4.0, ExpressJS.
Frameworks	Spring 5/4, Spring MVC, Spring Boot 2.3.1/12.6, Spring JDBC 5.2.3, Hibernate, Struts, Hadoop
Cloud Technologies	EC2, RDS, S3, ELB, EBS, Google cloud, Azure , PCF
Databases	Teradata, Oracle 10g/11g/12c, MySQL, SQL server, PostgreSQL, MongoDB, Cassandra
AWS	EC2, RDS, S3, ELB, EBS, Cloud Watch
Distributed/ Middleware	JMS (Java Messaging Service), ActiveMQ, RabbitMQ
Tools/Software	Eclipse, My Eclipse, Net Beans, Spring STS, SoapUI, SQL Developer, Subversion, TestNG, Selenium, Jira 6.4, GWT, Rational Clear Case, Clear Quest and GIT
Build Tools	Maven3.0, Gradle, Jenkins, Docker, Kubernetes, Ant, Jules, Bamboo Gulp, Grunt, Web pack, NPM, Bower, Azure , Mockito, Fitness, Kubernetes, Load UI, Groovy Spock,
Application/Web Server	Apache Tomcat, Apache Kafka, CXF3.1.9, JBOSS, WebSphere, WebLogic
Monitoring Table	Gradle, Splunk, Dynatrace, Kibana, Elastic Search, Prometheus

PROFESSIONAL EXPERIENCE

American Express(Amex), Phoenix, AZ
– Nov 2021
Full Stack **Java** Developer

Dec 2019

Description: American Express Company is an American multinational financial services corporation specialized in payment cards. The American Express Company is a multinational financial services firm based in New York City. It is known best for its credit card, charge card, and traveler's cheques. The company prides itself on providing outstanding access to products and insight which



help customers build their personal lives and businesses. Our Project focused on Global Business Travel which used to serve Corporate Travel and Expense Management including business consulting services.

Responsibilities:

- Experience in designing, developing and deploying **J2EE** applications on **IBM WebSphere / WebLogic Application Servers, Tomcat**, etc.
- Extensive experience working in Spring Framework **Spring MVC, Spring AOP, Spring DAO, Spring ORM, Spring Security, Struts Framework** and O/R mapping **Hibernate** framework.
- Involved in various phases of **Software Development Life Cycle (SDLC)** using **Agile Methodology** and followed **Scrum** sessions.
- Experience in working with NoSQL databases like **MongoDB, Cassandra** for handling huge amounts of data. Involved in Handled Database access operations.
- Experiences in using build/deploy tools such as **Jenkins, Docker** and **OpenShift** for Continuous Integration & Deployment for **Microservices**.
- Expert level skills in **Java 8**, Exception Handling, Servlets, JSP, PHP, Custom Tag Libraries, **Java** Script, AJAX, CSS, **HTML, Struts, Spring, Hibernate**, Enterprise **Java** Beans, JDBC, RMI, JNDI and XML related technologies.
- Used **Agile Scrum** methodologies for application development and merge code to integration branch modules **Spring MVC** with **Hibernate** framework to build the application on server side and concrete classes to interact.
- Experience in working with NoSQL databases like **MongoDB, Cassandra** for handling huge amounts of data. Involved in Handled Database access operations.
- Used **NodeJS** to structure **JavaScript code** in an **MVC** (Model, View, and Controller), Used AngularJS, and D3JS to build a single-page application.
- Experience with containerization technologies, including **Docker, Kubernetes**, or **Rancher**. Well versed with **OpenStack** based cloud infrastructure.
- Created **DAO** interface, abstract class and concrete classes to interact with **persistence** entities. Applied **jQuery, Bootstrap, CSS3, JSP, and JSTL** to build interactive and dynamic UI.
- Used **AJAX** calls for data updates in UI along with **JSON** data parsing and Struts validation framework for performing front end validations.
- Security vulnerability fixes on server by setting up Big-Fix, Carbon-Black, Flex-era on cloud VM, Configuring firewall settings in **Google cloud platform (GCP)**.
- Designed and developed using **Jersey framework REST, Rest API, SOAP** to push stuff on a queue for the service that needs the stuff to be done asynchronously.
- Used **Hibernate** Criteria API to query the database and perform other CRUD operations to interact with databases perform Reverse Engineering.
- Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and worked on creating **kafka** adaptors for decoupling the application dependency
- Created **Services** to consume **REST API's** and to communicate between components using **Dependency Injection** provided by **Angular7**.
- Hands on experience in **Continuous Integration/Continuous delivery (CI/CD)** tool **Jenkins** for deploying applications to **AWS** and on-premise servers.



- Implemented **stored procedures** and **dynamic SQL** on **SQL Server** that contains object declarations and dependencies **Log4j** and **I18N** technology for a broader perspective of the project for content layout and presentation.
- Developed server-side application to interact with databases using **Spring Boot** and **Hibernate** as per the requirements that are provided.
- Developed the Presentation and Controller layers using **JSP, HTML, JavaScript**, Business logic using **Spring 5**, and Persistent layer **DAO, Hibernate Persistence Strategy** for all modules
- Expertise in various **J2EE** design patterns like **Singleton, Factory, Abstract Factory, DAO, MVC, Facade & Business Delegate** in the development of enterprise applications.
- Implemented **AWS functions** to run scripts in response to event in Amazon Dynamo **DB table, S3 buckets, HTTP requests using Amazon API Gateway. Lambda**
- Developed **POJOs** for **Data Model** and made individual HBM records to delineate **Java 8** Objects with Relational database tables.
- Designed and developed the REST based **Micro services** using the **Spring Boot** using build pack and Jenkins for continuous integration.
- Created services that perform **HTTP calls** using **AngularJS** to **backend REST API** for data retrievals Process to query the database.
- Configured **Kafka** messaging queues to update the request status in **JBoss and Tomcat** management and version control **GIT** for version control tool for merging branches and used SourceTree to solve conflicts, issues based on priority.
- Worked with **Threads, Multithreading, Synchronization** and **Collection API** to document technical specifications created various Advice (before, after) methods as required using **Spring AOP** such as Logging and version control.

Environment: **Java** 8.0, **J2EE**, Spring 5, Spring MVC, Spring Boot, Angular 7, Angular JS, Tomcat 8, Micro services, SOAP, Rest, Rest API, Node.JS, Hibernate, AWS, Kafka, CI/CD, Docker, Kubernetes, Google Cloud, MongoDB, JPA, JavaScript, React, jQuery, Ajax, HTML5, CSS3, Bootstrap 3, Maven 3.0, GIT, JUnit, Log4j, IntelliJ.

JP Morgan Chase, Jersey City, NJ
Full Stack **Java Developer**

Dec 2021 - Till Date

Description: JP Morgan Chase and Co. is an investment bank and financial services providing investment banking, asset management, private wealth management. The Bank also provides credit card services providing wide ranges of services. Chase aims to simplify the existing services to enhance the customer experience, reduce the complexity of support, reduce the cost to maintain the existing application and reduce the costs when expanding into new jurisdictions or new services.

Responsibilities:

- Experience in designing, developing and deploying **J2EE** applications on **IBM WebSphere / WebLogic Application Servers, Tomcat**, etc.
- Extensive experience working in Spring Framework **Spring MVC, Spring AOP, Spring DAO, Spring ORM, Spring Security, Struts Framework** and O/R mapping **Hibernate** framework.
- Experiences in using build/deploy tools such as **Jenkins, Docker** and **OpenShift** for Continuous Integration & Deployment for **Microservices**.
- Expert level skills in **Java 8**, Exception Handling, Servlets, JSP, PHP, Custom Tag Libraries, **Java** Script, AJAX, CSS, **HTML, Struts, Spring, Hibernate**, Enterprise **Java** Beans, JDBC, RMI, JNDI and XML related technologies.



- Developing who can think, speak and apply the **OOP** and **AOP** language concepts in building enterprise **Java** applications using frameworks such as **Struts**, **Spring 5**, **Hibernate** and **JSF**.
- Functional expertise includes Web Application & Desktop Application, **CRM** Applications. Present role as a Module development, Requirement Analysis, Functional Specification Documentation and interaction - onsite coordination with client. Exposure to **OOA&D** methodologies like **waterfall** models.
- Experience in developing Client and Web (**Internet** and **Intranet**) based applications with **J2EE**, **JSP**, **JPA**, **Servlets**, **JDBC**, **LDAP**, **Struts**, **spring**, **JSF** and other frameworks. Experience with XML technologies including **XML**, **Java Script**, **CSS** and **HTML** in developing web applications using **spring** modules like **Spring IOC**.
- Experience in creating various project artifacts like use-case documents, class diagrams, design documents, architecture documents, etc.
- Working with application teams to install operating system, Hadoop updates, patches, **Kafka** version upgrades as required
- Composed and executed **Mongo DB** document scripts to insert, update NoSQL database, automating data changes, reporting and wrote MongoDB client to receive data from AMC for Companies
- Developing Junit test cases to validate the **REST** services. Extensively involved in the integration of the Front-End web interface with the Spring MVC, **AngularJS**, **JSP**, **HTML**, **CSS** and **jQuery**. Coded
- Extensively using JavaScript, **Angular JS** to make rich internet web applications for a Single page app of **JSX** in the React components for cleaner **HTML** like structure inside **JavaScript**.
- Creating User Interface Design using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **JSON**, **REST API** and **AngularJS**, **Bootstrap**.
- Implementing useful and elegant features and visualizations. Security vulnerability fixes on server by setting up Big-Fix, Carbon-Black, Flex-era on cloud VM, Configuring firewall settings in **Google cloud platform**.
- Working on Integration of Microservices deployment patterns with the PAAS platform on top of **AWS** and Integrating with the Config server and **ZUUL** proxy.
- Experienced in Object Oriented Analysis and Object-Oriented Design using Unified Modeling Language (**UML**) development experience with popular Object-Oriented Design Patterns concepts.
- Working on **AWS S3**, **Regions** and **EC2** Instances migrated application to **AWS**, Integrated services which talks with third party services.
- Extensive experience of Object-Oriented JavaScript design pattern and JavaScript MVC Pattern
- Preferably **Angular7** for building UI Widgets and Application logic creates and configure **Micro-Services** architecture and integrated with **React.JS** application
- Good Knowledge in **XML** technologies including **XML**, **XSD**, **XSLT**, (**DOM**, **SAX**), **SOAP**, **WSDL**, Web Services using **AXIS**.
- Handling on exposure to multiple Application Servers like **JBoss**, **JBoss Drools** engine, **IBM WebSphere** Server and **BEA WebLogic**. Troubleshoot issues along **CI/CD** Pipelines.
- Expertise in **IDEs** and tools like **RAD**, **WebSphere**, **Eclipse**, **Jbuilder**, **Visio**, **Rational Rose**, **TOAD**, **Maven**, **Cruise Control** etc.
- Expertise in **back-end** procedure development, for Database Applications using **Oracle**, **DB2**, **SQL** and **PL/SQL**, **SQL Server**. Hands on experience on writing Queries, Stored procedures,
- Functions and Triggers by using **PL/SQL**. developed **Splunk** reports that provide a high level overview of the Application Health.
- Experience in Design Methodologies like **MVC**, **DAO**, **OOP**, and **OOD** wrapper developed in **Python** for instantiating multi-threaded application and running with other applications
- Experience in **Microservices** Architecture with **Spring Boot** and **Docker** on **EXT JS** for Rich Web Application and Implemented client-side Interface using **React JS**.



Environment: Java 8, J2EE, Hibernate 4.2, Spring5, Spring MVC, Spring Boot, AngularJS, Angular7, SOAP, REST, REST API, Micro services, Servlets 2.2, JSP 2.3, MongoDB, Kafka, Log4j, Google cloud, AWS, Docker, Maven, PL/SQL, JUnit, Jenkins, JSON, Agile Methodology, CI/CD, GitHub.

Credit Acceptance, Philadelphia, PA
Full stack .Net/Java Developer

Dec 2021 - Till Date

Description: Credit Acceptance Corporation is an auto finance company providing automobile loans and other related financial products. The company operates its financial program through a national network of dealer-partners, the automobile dealers participating in the programs. The company operates two programs: the "Portfolio Program" and the "Purchase Program". Through these programs, the company can advance money to automobile dealers in exchange for the right to service the underlying consumer loans and can buy the consumer loans from automobile dealers.

Responsibilities:

- Involved in **Java 7.0** development and architecture review meetings, code reviews, analyze service profile requirements in confluence, retrospective meetings and support on staging and production environment.
- Designed and developed **Microservices** using **Jersey framework REST, Spring4, SOAP** and also used **Apache Kafka** to push stuff on a queue for the service that needs the stuff to be done asynchronously.
- Setup **Azure** CI/CD pipeline from scratch on **Azure** DevOps including gated builds, test runs and automatic deployments.
- Participated in development of a well responsive Single page application CCA using **AngularJS** framework, **JavaScript** in conjunction with **HTML5, CSS3** Standards.
- Custom validators developed in Hilton such as Not Null, Not Empty, and Pattern. Initially used **Hibernate** validator. **Spring MVC, JSP** on IBM WebSphere to serve as knowledge base for application support
- Used **NoSQL** (couch-base) database and MySQL database, created DAO's using JDBI and Couch base for interacting with Database analyze, design and Implement application architecture to suit the development of software using **JAVA/J2EE** worked extensively on Snowflake for the applet recursions.
- Logging framework Log4J and Slf4j is used for log messages. Implemented log4j for application logging and to troubleshoot issues in debug mode.
- Designed using **JSP, AJAX, HTML5, CSS3, JavaScript**, google cloud, **XML** and **Node JS** applications using technologies like **Node JS** and tool Web Storm.
- Used **Kubernetes** Service to deploy a managed **Kubernetes** cluster in created an AKS cluster in the with the also used template driven deployment options such as Resource Manager templates and Terraform
- Developing scripts for build, deployment, maintenance and related tasks using **Jenkins, Docker, Maven, Python** and **Bash** using Jenkins for **CI/CD**, using **Ant, Maven for build, GIT** for version control
- Extensively Used Jenkins as Continuous Integration tool to deploy **Spring Boot**, Micro services to **Pivotal Cloud Foundry (PCF)**
- using build pack Deployed build and deployment scripts using **ANT** and **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
- Modified the UI screens created by web designers using **HTML5, JSP, CSS3, Angular6** (for an instance) on **REST API** generating the Web services classes by using Service Oriented Architecture (SOA) and maven generation of database schema.
- Extensively used **JUnit** for Unit Testing and Cucumber framework for Integration testing Map Struct for copying or mapping request models to entity or entity to response models.



- Used Jira Atlassian tools like Bamboo for Continuous Integration and deployment, Bitbucket and Confluence **Splunk** for analyzing Logs.
- Hands-on experience in creating **Angular** modules, controllers, directives, and filters to deploy the entire business logic.
- Daily stand up meetings with client teams offshore to document the project status. Implemented several design patterns like Singleton, Factory.

Environment: .Net 5.0, Angular 9, C#, Visual Studio 2019, **Java** 7, **J2EE**, (REST, SOAP), REST API, Micro services, Hibernate, Springs 4.0, Spring Boot, Spring MVC, Apache Kafka v11, Kubernetes, JDBI, MySQL database, Angular6, AngularJS, PCF, Node JS, GIT, Maven, Tomcat Application server, Agile process, Docker, Jira, HTML5, JQuery.

Fusemachines Inc, Nepal
Software Developer

Sep 2014– July 2017

Description: Artificial Intelligence, Machine learning and data engineering strategies to provide solutions to organizational developmental operations. It has its operations in New York and Nepal.

Responsibilities:

- Software development life cycle (SDLC) that includes **Development, Testing, Implementation and Maintenance** Support in **Waterfall** methodology.
- Created user-friendly GUI interface and Web pages using **Struts, JSP, HTML, CSS, AJAX, jQuery and JavaScript** responsible for designing, coding and developing the application in **J2EE** using **Struts MVC**.
- Used **Spring IOC/Dependency Injection** extensively. Used **Spring AOP** and **Spring Security** for configuring crosscutting concerns like logging, security.
- Developed complex service components for Data Access Layer, DAO classes to interact with backend using **Java** and **Hibernate** Framework
- Developed Web services component using XML, WSDL, and **REST** with DOM parser to transfer and transform data between applications
- Implemented **Struts framework** (Action & Controller classes) for dispatching requests to appropriate classes interface coding and styling using **AngularJS, CSS** and Bootstrap template.
- Used simple **Struts Validation** for validation of user input as per the business logic and initial data loading achieved synchronization of multiple threads through **Multithreading** and **Exception Handling**.
- Extensively used **JSON** to parse the data from server side to satisfy the business requirement developed **Struts Action Forms, Action classes** and performed action mapping using **Struts**.
- Developed batch job using **EJB** scheduling and leveraged container managed transactions for highly transactions involved
- developed **Web Services** to send **XML** requests and read the response **SOAP UI** from **Java** platform.
- Used various **Core Java** concepts such as **Multi-Threading, Exception Handling, Collection APIs, Garbage collections** for dynamic memory allocation to implement various features and enhancements.
- Consumed Web Services to interact with other external interfaces to exchange the data in different forms by using **REST API** established Database Connectivity using **JDBC** for **Oracle**.
- Deployed web and enterprise applications on the JBOSS application server used **Log4J** for application logging and notification tracing mechanisms.
- Developed the **ANT scripts** for preparing **WAR files** used to deploy **J2EE** components implemented **JUNIT** test cases for unit testing and Suites for end-to-end testing.
- Implemented **JIRA** for tracking the Project Stories and bug fixing **SVN** to check-in and check-out and co-ordinate among team members for Version Controlling.



Environment: Java, J2EE, Spring MVC, Spring, Hibernate, SOAP, REST, REST API, HTML, AJAX, jQuery, JavaScript, JSON, XML, EJB, IBATIS, JBOSS, ANT, Eclipse IDE, JIRA, Junit, Log4j, and UNIX.

EDUCATION

- Bachelors in Science, Computer Science from Delhi University – India

2014

Sandeep Thapa

- Queens, NY, US

Contact Information

- apv-rq6-db6@mail.dice.com

Work History

Total Work Experience: 4 years

- **Java** Developer Credit Acceptance, Philadelphia, PA
Dec 01, 2021
- **Java** Full Stack Developer Lumen - Littleton, CO
Dec 01, 2019

Skills

- **java** - 7 years
- **security** - 7 years
- **software** - 7 years
- **angularjs** - 6 years
- **apache log4j** - 6 years
- **css** - 6 years
- **hibernate** - 6 years
- **html** - 6 years
- **j2ee** - 6 years
- **javascript** - 6 years
- **jquery** - 6 years
- **json** - 6 years
- **jsp** - 6 years
- **junit** - 6 years
- **multithreading** - 6 years
- **restful** - 6 years
- **soap** - 6 years
- **spring** - 6 years

- **spring mvc** - 6 years
- **xml** - 6 years

Work Preferences

- Likely to Switch: False
- Willing to Relocate: False
- Work Authorization:
 - US
- Work Documents:
 - Have H1 Visa
- Security Clearance: True
- Third Party: False
- Employment Type:
 - Full-time

Profile Sources

- Dice:
<https://www.dice.com/employer/talent/profile/3710744bb7bcdef472119ce6464cef21>