



Tapas Joshi
Full Stack Java Developer
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PROFESSIONAL SUMMARY:

- **8 years of IT experience** in all the phases of Software Development Life Cycle (SDLC) including requirement Analysis, Design, Implementation and Product Testing in both the Web based and Enterprise applications with emphasis on Object Oriented, **Java/J2EE** and Client Server technologies.
- Experienced in **UI frameworks** such as **HTML5, CSS3, Bootstrap, jQuery, Ajax, JavaScript, AngularJS, Angular 4/7/6** and Tag Libraries with Software methodologies like **Agile, Waterfall** and Test-Driven Development.
- Experience working with **Java 8 Lambdas**, Functional Interfaces and integrated Stream API into the Collections API, to perform **bulk** operations on collections.
- Extensive experience working in **Spring 4.0/5.0** framework, **Struts** framework, Object Relational Mapping **Hibernate 7.2/7.1** framework and **web services**.
- Experience using **Spring MVC 2.5.1/2.5.2, Spring Boot 2.7.1, Spring DAO, Spring Data, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions and Spring Security**.
- Strong work experience in application integration and communicating using **SOA, Web Services** such as **JAX-RPC, JAX-RS, JAX-WS, SOAP, WSDL, XML and RESTFUL** web services.
- Experience in working with **Restful WebServices** and implementing **REST API's** in numerous Design Patterns like **Singleton, Factory, Session Facade, MVC 5.2/5.0, Data Access Object, UML** and Enterprise Application Integration.
- Expert in **Core Java** with strong understanding of **Collections, Multithreading, Event handling, Exception handling and Generics**.
- Experience of Working on **Microsoft Azure** using **Azure VM's** and **app services** for running of instances, **Azure cosmos and Sql** for storage of data, **App insights** for creating alerts and monitor API calls.
- Implemented **pivotal cloud foundry (PCF)** to deploy **IAAS or PAAS** and to run own applications in **bash** and **Python** scripting with focus on **DevOps** tools, **CI/CD** and **AWS Cloud Architecture**.
- Expertise in design and development of **MicroServices** based **Cloud Native** systems using **SpringBoot, Spring MVC Rest services, Spring cloud APIs** like **Eureka, Config Server, Hystrix dashboard, Circuit Breaker, Spring Security on Pivotal Cloud Foundry** and **Docker** containers.
- Expert in **TSQLDDL/DML**, perform most of the **SQL Server Enterprise Manager** and **Management Studio** functionality using **T-SQL Scripts and Batches**. Worked **Amazon Web Services, Office365** and **Google Cloud** issues.
- Experienced in **implementation of JMS** to exchange information over reliable channel in an asynchronous way by using **Active MQ, Rabbit MQ, Kafka** as message queue.
- Managed **Amazon Web Services** like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC)** through **AWS Console** and **API Integration**.
- Hands on experience with **Amazon web services (AWS)** and **Amazon cloud** technologies such as **Amazon EC2 (virtual servers)** and **Amazon CloudWatch (monitoring)**.
- Experience in server-side framework like **NodeJS** and **JavaScript** libraries like **ReactJs Flux** and **Redux** and also implemented a **Continuous Delivery** pipeline with **Docker, Jenkins and GitHub** and **AWS AMI's**
- Experience in developing applications using **Micro Services** architecture. Expertise in **spring4.0** based **MicroServices**, and enabled discovery using **Netflix eureka** server.
- Strong Experience in database design using **PL/SQL** to write **Stored Procedures, Functions, Triggers, Indexers** and proficiency in writing complex queries, using **Oracle, SQL Server** and **MySQL**.
- Experience in working with the **NoSQL** Database like **Cassandra DB** and **Mongo DB** to manage extremely large data sets.



- Experienced in **JMS** over messaging to exchange the information in more reliable and asynchronous way in enterprise Applications.
- Experience in version control system tools like **GIT, CVS and SVN** and Experience in unit testing the applications using **JUnit, TDD Framework**.
- Worked on implementing full life cycle of software development process (**SDLC**) in using version control tools like Rational **ClearCase, Tortoise SVN, CVS (Concurrent Version System)**.
- Hands-on experience working with Continuous Integration (**CI**) build-automation tools such as **Maven, SVN, CVS, Jenkins and Apache Ant**.
- Experience in designing, developing, and deploying **J2EE** applications on **Web sphere, Web logic and Apache Tomcat** application Servers.
- Possessing good interpersonal skills **Kubernetes** in coordinating various teams like development team, **QA** team and support team as required.

SKILLS PROFILE:

Languages	Java (J2SE 1.8/1.7/1.6/1.5, JEE 6 / 5), J2EE, JSP2.1/2.0/1.2, Servlets2.x/3.x, C++, SQL, PL /SQL
Frame Works	Spring5.0/4.0, Spring MVC, Spring Boot, Spring Cloud, Struts, Hibernate 4.x/3.x
Web Technologies	HTML 5/DHTML, XHTML1.1, JavaScript, jQuery, Angular7/6/4, CSS3, XML1.0, Bootstrap, AngularJS
Web/Application Servers	Tomcat 7.x/6.x, Web Logic 10.3/9.2/8.1/7.0, IBM WebSphere6.x/5.x/4.x, JBoss 7.0, JAX-WS (SOAP), JAX-RS (REST, REST API), WSDL
AWS	EC2, RDS, S3, ELB, EBS
Build Tools	Pivotal Cloud Foundry (PCF), Google cloud, Azure, CI/CD
Messaging Services	JMS, Active MQ, Rabbit MQ, Confidential MQ, Apache Kafka, JAXRS, JAX: WS, Apache CXF, Axis, Jersey
Databases	MYSQL, SQL Server, Oracle 11g, MongoDB, Sybase and Cassandra
Version Control	GIT, CVS, Clear case, SVN, Maven, JIRA
Methodologies	Agile Methodology, Waterfall Methodology
Other Tools	Heroku, Ant 1.7, Maven 3.x, Gradle3.x, Jenkins (CI), Rational Rose, Log4J, Docker, Kubernetes

CAREER PROFILE:

Client: T-Mobile - Bellevue, WA
Role: Full Stack Java Developer
Duration: May 2021 - Present

Description: T-Mobile US provides wireless voice and data services in the United States under the T-Mobile and Metro by T-Mobile brands and serves as the host network for many mobile virtual network operators. As a part of the Heroku (backend) team, I worked on creating several APIs using Java, Spring, MyBatis, Hibernate, JUnit, Mockito, PostgreSQL. I also worked on Gitlab's CI/CD pipeline to incorporate several stages like Build, SAST scanning, Deploy, etc. We followed Agile methodology here which enforces us to go over features and break them down to user stories for developers and testers. We used to use JIRA and JIRA Align.

Responsibilities:

- Analyzed the current options and suggested Heroku-enabled improvements.
- Architected several APIs using Java, Spring, MyBatis, Hibernate along with developer testing using Postman with positive and negative scenarios.
- Used J2EE patterns including Value Object, Factory, Façade, and Controller. This application employs the Spring MVC framework.



- Worked on Gitlab's CI/CD pipeline to incorporate several stages such as Build, SAST scanning, Deploy, Secret scanning, and more.
- Converted functional and business requirements into user stories or technological specs that are documented into JIRA. Also utilized JIRA to log work every day using comments and broken down the story into well-documented sub-tasks.
- Increased the code coverage using testing tools frameworks as JUnit, Mockito, and PowerMock
- Conducted peer review to enable the approval of system modifications into production and creates or updates support documentation as appropriate.
- Worked on several microservice based applications using SpringBoot, Spring MVC Rest services, Spring Cloud Config Server, and Docker containers.
- Reviewed (walkthroughs) and grooming sessions, as well as demonstrated technical specifications and program code.
- Communicated to the development lead and team about the design, requirements, feature set, functionality, and limitations of systems and applications.
- Collaborated with other business and IT partner teams to deliver product upgrades and support successfully.
- Worked on production support every other sprint where I used to investigate daily tickets, find resolution, as well as work on finding and fixing the root cause of the issue (even got recognized by business for excellent support).

Client: DTCC - New York, NY
Role: Full Stack Java Developer
Duration: Aug 2019 - Present

Description: Depository Trust and Clearing Corporation (DTCC) is an American post-trade financial services company providing clearing and settlement services to the financial market. DTCC aims to simplify the existing Global Trade Repository (GTR) to enhance the customer experience, reduce the complexity of support, reduce the costs to maintain the existing application and to reduce costs when expending into new jurisdictions or new services.

Responsibilities:

- Used **J2EE** patterns such as Controller, Singleton, factory, façade, Value Object. **Spring MVC** architecture is used in this application.
- Maintained **Interface** compatibility and **concurrency** in the project using **Java8** new features like default, static methods and **Concurrency API**.
- Implemented **Java EE** components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules, Provide technical guidance on building solutions using **PaaS** and other services.
- Worked on object-oriented programming (**OOP**) concepts using **Python**, Django and Linux primarily developing using components which includes **Core Java**, **spring5**, **Multithreading**, **Spring JDBC**.
- Involved in development of User Interface using **HTML/HTML5**, **CSS/CSS3**, **JavaScript**, and **JQuery**, **AJAX**, **JSON**, **React JS** and **AngularJS**.
- Highly used **Angular7** router to build single page application for navigates through the different status and multiple modals.
- Experienced in creating Process builder processes and visual **Google cloud** flows in Salesforce business logic was developed using **Spring framework** and Used **Spring AOP** and **MVC** for handling transactions.
- Developed **Rest API** to processes the data from DB to another **Rest Service** created **REST services** like Drop wizard framework for various web-services involving both **JSON** and **XML**.
- Built Web pages those are more user-interactive using **JQuery** plugins for **Drag** and **Drop**, **JQ-Validator**, **AutoComplete**, **AJAX**, **JSON**, **Angular JS**.
- Used Bootstrap for responsive design which allows users to access it from any device the functionality is implemented using **Spring IO / Spring boot**, **Thyme leaf** and **Hibernate ORM**.



- Used Maven to build the project, Enterprise **Github** as repositories **Spring ORM** module is used along with **Hibernate** to deal with **database** operations.
- Developed, and implemented architectural solutions involving multiple **Pivotal Cloud Foundry (PCF)** foundations on **VMware** virtual infrastructure (on-premises).
- Implemented **STRUTS** Model View Controller architecture to develop presentation tier and business layer **Kafka** producer and consumer applications on **Kafka** cluster setup with help of **Zookeeper**.
- Setup full **CI/CD** pipelines so that each commit a developer makes will go through standard process of **software lifecycle** and gets tested well enough before it can make it to the production.
- Experience executing the **CI Jenkins** build job for application builds. Using **GIT (Stash)** tool as the source code repositories for all projects and **Artifactory** for all builds release repository.
- Experience in creating **Docker** Containers leveraging existing **Linux** Containers and **AMI's** in addition to creating Docker Containers from scratch.
- Excellent in deploying the applications in **AWS** as **EC2** instances and create snapshots for the data that have to be stored in **AWS S3**.
- Experience in using **MVC**, **SOA** architecture and **Micro Services** for implementing the client server business applications.
- Designing and developed **Micro Services** using **Jersey framework (Restful web services)**, **Springs**, **SOAP** used **Rest** controller in **Spring framework** to create **Restful Web services** and **JSON** objects for communication.

Environment: Java 8, J2EE, Angular7.0, AngularJS, Hibernate 3.0, SOAP, Spring5, Spring boot, Spring MVC, REST(JAX-RS), AWS, Web-logic 9.2, Servlets 2.3, Docker, Python, CI/CD, REST API, JSP 2.0, PCF, Kafka, Google cloud, J-unit, BEA, Eclipse IDE 3.2, JSTL, XML, XSLT, CSS, Maven, Log4.

Client: FRB - San Jose, CA

Role: Java/J2EE Developer

Duration: Jan 2018 - Jul 2019

Description: Federal Reserve Bank works within the Federal Reserve System and with other public and private sector institutions to foster the safety, soundness and vitality of our economic and financial systems. Some of its most critical functions include the implementation of monetary policy, supervision and regulation of depository institutions, international operations and financial services.

Responsibilities:

- Developed and implemented **Spring Boot** and **J2EE** based **MVC (Model-View-Controller)** framework for the application.
- Designing and implementing the User Interface using **OO JavaScript**, **Ember JS**, **HTML**, **CSS/CSS3**, **SASS** and **AJAX** and involved in designing and developed presentation layer using **JSF**, **Ajax**, and **JQuery** and third party libraries.
- Implemented the associated business modules integration using **spring4.0**, and **Hibernate** data mapping developed classes using core **java (multithreading, concurrency, memory management)** and some **spring IOC**.
- Worked on writing **Perl** scripts covering data feed handling, implementing business logic, communicating with **web-services** through **SOAP** module and **WSDL**.
- Used **Reactive microservices** to embrace asynchronous message passing and maintain mobility utilized **NodeJS**, **Json web token** module to digitally **sign** and **verify** the tokens for **API authentication** mechanism
- Used **spring** dependency injection, annotations and **Spring MVC** components to implement business layer and navigation part of application.
- Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and worked on creating **kafka** adaptors for decoupling the application dependency.
- Created and developed deployments, namespaces, Pods, Services, Health checks, and persistent volumes etc., for **Kubernetes** in **YAML** Language.
- Developed **JSP** to dynamically generate **HTML5** and display the data to the client side. **Java Mail API** was used to notify the user of the status and completion of their project.



- Have used **AJAX** to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
- Developed several **REST web services** which produces both **XML** and **JSON** to perform tasks, leveraged by both web and mobile applications.
- Migrated the code from **AngularJS** to **Angular** and followed the strict patterns of implementing **model-view-controller (MVC) architecture** using **Angular6Framework**.
- Extensively used **Google Cloud** resources like Compute Engine, IAM, Google Container Registry, Container Builder and Cloud Storage buckets
- Worked on **REST API** as well as **Node Rest framework** for **backend** services, used **MongoDB (NoSQL)** for **database** services.
- Experience in setting up **CI/CD** pipeline integrating various tools with **Jenkins** to build and run Terraform jobs to create infrastructure.
- Designed Prototype and project layout skeletons using **JQuery** and **CSS/LESS** and **HTML5** created database objects like Stored Procedures, Tables, Views, Sequences, Cursors, Packages and Triggers.
- Developed several **SOAP based JAX-WS Web Service** interfaces for integrating multiple systems, code re-usability used various **JQuery** and **Bootstrap** plug-in like date picker, Bootstrap selectors.
- Application server implementation, support, workload management and performance tuning including Web server setup configuration with **JBoss** App Server.
- Wrote **SQL** queries, stored procedures and enhanced performance by running explain plans.
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information such as payment status report.

Environment: Jdk1.7, J2EE, Spring4.0, Spring MVC, Spring Boot, Hibernate, AngularJS, Angular6, SOAP, REST, REST API, Eclipse, Microservices, MongoDB, Kafka, Kubernetes, Google cloud, SQL Server, CI/CD, XML, JavaScript, Node JS, Jboss, NoSQL, JIRA, Maven, Junit, Bootstrap, Unix, Linux, Shell, ActiveMQ, Apache Camel.

Client: Citigroup Inc - New York, NY

Role: Java Developer

Duration: Jul 2016 - Dec 2017

Description: Citigroup Inc. is an American multinational investment bank and financial services corporation. The company was formed by the merger of banking giant Citicorp and financial conglomerate Travelers Group; Travelers was subsequently spun off from the company. Citigroup owns Citicorp, the holding company for Citibank, as well as several international subsidiaries. Citi is incorporated in NY. It is a systemically important financial institution and is on the list of systemically important banks that are commonly cited.

Responsibilities:

- Handled Analysis, Design and Development of the project involved in all stages of **SDLC (Software Development Life Cycle)** including proposal, process engineering, requirement analysis, design, development, testing, deployment and support.
- Implemented using **Spring IO / Spring Boot, Hibernate ORM. Implemented Java EE** components using **Spring MVC, Spring IOC, Spring transactions** and **Springs security** modules.
- Maintained **CSS** and **HTML, XSL, XSLT, JAVASCRIPT, JSF, Angular 4.0**, for **designing Web Pages** used **Ajax** for intensive user operations and client-side validations, Using **JavaScript** for **client-side validation**.
- Used **Web Services** for creating rate summary and used **WSDL** and **SOAP** messages and used **XML** parsers for **data** retrieval. **Also**, Developed and consumed **REST based web services**.
- Used **Apache Maven** to build the application. Implementing the **micro services** using **Java/J2EE** and also **HQL** statements and procedures to fetch the data from the **database**
- Designed and developed the **REST based Micro services** using the **Spring Boot, Spring Data** with **JPA** expertise in web development and related software **AngularJS, Html5, Css3**.
- Created the application using **react.js** and **node.js** libraries **NPM**, to generate desired view root the URL's properly **RFP(Request for Proposal) Micro Services** to provide **REST API** utilizing **Spring Boot** with **Spring MVC**.



- Involved in writing **Spring** Configuration **XML**, file that contains declarations and business classes are wired-up to the frontend managed beans using **Spring IOC** pattern.
- Creating custom **JSF** Face-let tags for error handling, data tables, true/false markers etc developed **JMS** components to send messages from one application to other application internally.
- Involved in creating various **Data Access Objects (DAO)** for addition, modification and deletion of records using various specification files.
- Provided various reports related to performance of the system. Memory leaks developed **Maven** Scripts for the build process and deployed in **IBM WebSphere** and **Tomcat**.
- Implemented **Log4J** for Logging Errors, debugging and tracking using loggers, appends components business processes such as user authentication, Transfer of Service using Session **EJBs**.
- Used Tortoise **SVN** as version control across common source code used by developers and **MAVEN** as building tool deployed the applications on **IBMWebSphere** Application Server (**WAS**).

Environment: JDK 1.6, J2EE, Struts1.2, Micro services, JSF2.0, Web Services (SOAP, REST), REST API Spring MVC, Spring Boot 1.5.1 Hibernate, Agile, Servlets, JSP, JavaScript, XML, HTML5, CSS3, Swing, SVN, JMS, EJB, JUnit, Log4J, RAD 7.0, Jenkins, Unix, Oracle, Angular JS, Angular 4.0, Maven, Agile process, JIRA.

Client: System Soft Technologies - India

Role: Software Developer

Duration: Nov 2013 - Nov 2015

Description: System Soft Technologies solves the problem of your limited IT resources hindering your ability to accomplish all your internal goals. We act as an extension of your IT team, providing everything from individual project support to complete IT function outsourcing in order to future proof your infrastructure. We invest heavily in innovative technologies and methods to enhance your agility, business value, and competitiveness. Our flexible engagement model enables our partnership to evolve with client needs.

Responsibilities:

- Extensive experience in developing applications using **Java**, **JSP**, **Servlets**, **JavaBeans**, **JSTL**, **JSP** developed the data access classes using **JDBC** and **SQL queries** wrote front-end code for developing new pages using **HTML**, **CSS**, and **JavaScript**.
- Responsible for the analysis, documenting the requirements and architecting the application based on **J2EE** standards applied various complex **SQL** queries.
- Developed **SOAP**, **Rest**, **Rest API** based **Web service** using **Apache CXF**. Developed Logger classes using **Log4j** for efficient logging mechanism.
- Custom Tag Libraries, **JDBC**, **JNDI**, **SQL**, **AJAX**, **JavaScript** and **XML** used **Servlets** to write server-side programs worked with **POJO** for handling data coming from the legacy systems.
- Used Hibernate, **object/relational-mapping (ORM)** solution, **technique** of **mapping** data representation from **MVC** model to **Oracle** Relational Data model with a **SQL**- based schema.
- Developed Application using spring, **Spring MVC** and **Hibernate** and also **Spring Framework** at **Business Tier** and **Spring** Bean Factory for initializing services.
- Interaction with the **database** is accomplished through **JDBC** wrote **PL/SQL** queries, stored procedures, and triggers to perform back-end database operations.
- Extensively used **Linux**, **Unix** system administration tools to create servers and deploy and run applications in development stage proficient with **Web Services framework** and writing **XML** based Web Services.
- Used **LOG4J**, **JUNIT** for **debugging**, **testing** and **maintaining** the system rate Ant scripts to build and deployed on **WebSphere** Application Server.

Environment: Java, J2EE, HTML, CSS, Spring, Spring MVC Hibernate, SOAP, Rest, Rest API, Servlets, JDK, PL/SQL server, Unix, Linux, Eclipse, Triggers, JDBC, JSP, POJO'S, Web services, ANT, LOG4J, JUnit.

EDUCATIONAL QUALIFICATION:

- Masters of Science in Computer Science from Florida Institute of Technology, USA - 2017