**Pawan Gupta**

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**Java Developer**

* Over 7 years of progressive experience working on Core Java, Java/J2EE. Involved in various stages of **SDLC** (Software Development Life Cycle) implementing Waterfall and Agile, Iteration, Scrum methodologies.
* Development skills using multi-tier enterprise applications & Client/Server applications using Java/J2EE technologies (Collections, JDBC, Hibernate, JSP, JSTL, Servlets, Web Services using RESTful and SOAP).
* Experienced in highly transactional web-based applications, multithreaded services, OOPS concepts, application server configurations and Design patterns.
* Knowledge on the Columnar NoSQL Database like HBase, Cassandra to manage extremely large data sets.
* Experience in **Spring MVC** (Model View Controller) architecture, using Spring 3.x & 4 Framework with ORM Hibernate 3.x, Maven and various Java/J2EE design patterns.
* Good experience in designing and developing **User Interface** (UI) applications and professional web applications using HTML5, XHTML XML, XSL, XSLT, jQuery, AJX, JavaScript and CSS3, AJAX, JSON, JSF, React JS, Node JS and Angular JS.
* Using AngularJS employed Dependency Injection design pattern to compose the responsibilities through intrinsic interface and performed isolated unit tests.
* Experience in Angular 2 for designing and developing components, forms and validations to validate user input in various web applications.
* Implemented **Angular4** concepts like Interpolation, Input variables, Bootstrapping, Ng-For, Ng-If, Router Outlet, binding the click event, Component decorator, binding to the hidden property.
* Presented a UI designed with regular Ionic UI components like Tabs, Swiping Lists, Forms, Alters, ActionSheets, Modals, Loading.
* Experienced in ReactJS and working with React flux architecture, Redux architecture using complex Object-Oriented concepts in improving the performance of the websites.
* Experience in developing responsive web applications using Bootstrap, Angular Flex Layout, Angular material and knowledge in using ES2015 and ES6 for reactive programming of JavaScript using Redux, NgRx for managing application and programming using Lambda, Streams in Java 8.
* Utilized Java 8 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Knowledge about integration platforms like Apache Tomcat and messaging platforms like ActiveMQ(AMQ).
* Experience in working with **Databases** like the SQL for Oracle, Postgres, My SQL & NoSQL Database like MongoDB, Dynamo DB to manage extremely large data sets.
* Experience in creating real time data streaming solutions using Apache Spark/Spark Streaming, Kafka.
* Experience in developing web applications using SOAP based **Web services** - SOAP, WSDL, CXF, AXIS, and JAX-WS and RESTful Web Services - JAX-RS, CXF, and JERSEY.
* Well versed with Cloud Automation using **Amazon Web Services** (AWS) Cloud formational templates. Managed the AWS instances using auto scaling and services like Elastic Compute Cloud (EC2), ELB, Virtual Private Cloud (VPC), Route53, Cloud Watch, Simple Storage Service (S3), Glacier, Auto Scaling, IAM, DynamoDB, AWS CLI, RDS, SNS, SWF, SES and EBS etc.
* Have a good knowledge in creating load balancers, elastic beanstalk applications and to change DNS by using Route 53.
* Experience with Pivotal Cloud Foundry and OpenShift/Kubernetes architecture and design, troubleshooting issues with platform components (PCF), and developing deployment models and patterns for large scale developments/deployments on Cloud Foundry.
* Strong technical knowledge of **WebSphere** Application Server, JBoss Application server and Apache Tomcat, Implementation, Support, Workload Management and Performance Tuning.
* Wrote scheduled batch jobs on Linux environment for handling various huge databases update logics without manual interventions.
* Experience on CI (Continues Integrations) and CD (Continues Deployment) methodologies using Jenkins and configuring build tools like MAVEN, GRADLE and ANT for deployment and development.
* Good experience in unit testing, Integration testing and User Acceptance testing using JUNIT, Selenium and static analysis using J Test.
* Worked on web pages compliant with W3C, ADA & Section 508 Compliance Standards.
* Proficient in programming by using the **IDE’s** such as Visual Studio code, Eclipse, IntelliJ, STS, My Eclipse, WSAD and RAD.
* Expertise with IBM Web Sphere Application Server 6.x and Apache Tomcat. Extensively used build tools such as NPM, Gulp and Webpack.
* Integrate the web services using Apache Camel routing and Spring.
* Knowledge of **OAuth** concepts for authentication and verifying authorization to application with JWT token using JavaScript libraries using 0Auth2.o principles.

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| **Technical Skills:** |

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| **Programming Languages** | Java 7, Java 8, UML, XML, SQL, Pl/SQL, JavaScript. |
| **Web Technologies** | Servlets, JSP, JDBC, JSTL, JMS, Hibernate, Spring Core, Spring MVC, HTML, CSS, DHTML, AJAX, JQUERY, Angular JS, Angular 2, Angular 4, React JS, Node JS, JMS, DAO. |
| **Frameworks** | MVC, J2EE (JSP, Servlets, JMS, JDBC, JNDI, JSF, EJB), CSS, Swing, Java Mail API, Structs, Hibernate, Spring, JAXB, Swagger, JAX-RS, JAX-P, REST, JSON, GWT, AJAX, SOA, Ionic, Apache Camel. |
| **Web Services Technology** | XML, AWS, SOAP 4.0, SOA, RESTful, WSDL, JSON. |
| **Databases** | Oracle 11g/10g /9i, MySQL 5.5.27/5.6, PL/SQL, MongoDB. |
| **Application Servers** | Apache Tomcat 6x/7x, Web, SQL server, WAS. |
| **Software Methodologies** | Object Oriented Analysis & Design, UML, SDLC (Agile, Iterative), MS Visio, In-Flux Tool for BPE. |
| **Operating Systems** | Windows 2000/XP/7, Windows 8.1, Windows 10, Linux, UNIX. |
| **Cloud** | Amazon Web Services (AWS) |
| **Message Systems** | JMS, IBM MQ, JavaMailAPI |

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| **EDUCATION:** |

**Master’s in Computer and Information Science**

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| **PROFESSIONAL EXPERIENCE:** |

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| **Client: Benz Financial Services USA LLC, Detroit, MI**  **Aug 2016 – Till Date**  **Role: Sr. Java Developer** |

**Responsibilities:**

* Followed **Agile** Methodology that includes attending daily standups, sprint planning, sprint reviews by involving in analysis, specification, design and implementation and testing of SDLC.
* We have followed **Mean Stack Application** by involving **Microservices** architecture to build front-end, back-end and database.
* Mean stack application basically provides Angular framework as front-end, node.js/express.js as a platform for back-end and mongo dB as database.
* Developed Single Page Applications (**UI**) using Angular-JS, React-JS, Node-JS and designed by using HTML, Bootstrap and CSS, jQuery, JavaScript.
* Experience in managing large-scale, geographically-distributed database systems, including relational (oracle, SQL Server) and NoSQL (MongoDB, Cassandra) systems.
* Migrated Databases from Relational Database to Non-Relational Database [NOSQL] including SQL Server to MongoDB.
* Created Angular 2 custom pipes to format the data before displaying it to the user.
* Validated forms using Angular 2 and regular expressions there by providing client-side validation and server validation.
* Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Moved from existing **Angular 2** to **Angular 4** components for more responsive and less dependency.
* Used Bootstrap library, JavaScript, HTML and CSS styling to quickly build project UI’s and used Angular4 framework to associate HTML elements to models.
* Created services with Angular 4 to make service available for Dependency Injection.
* Started using Ionic 3 framework for mobile app development.
* Used Angular 4 Reactive forms to implement complex forms and dynamic forms to perform the validations using form builder.
* Optimized the performance of application using Angular 4 Lazy Loading and ahead of time compilation.
* Developed single page applications using Angular 4 by creating Typescript reusable components and services to consume REST API’s using component-based architecture.
* Involved in using new features with Angular 4 like Ng-If with Else, Pipes, compare selector and Validators followed by the client requirements.
* Developed XSLT files for transforming the XML response from the web service into HTML as per the business requirements.
* Designed dynamic client-side JavaScript codes to build web forms and simulate process for web application, page navigation and form validation using various frameworks like React JS.
* Developed real time tracking of class schedules using Node JS.
* Built **NodeJS** npm packages/libraries to support current and future Node Development.
* Created API using nodeJS for internal company use. Functionality such as publishing actions, authenticating, notifications, etc.
* Implemented modules into Node.js to integrate with designs and requirements.
* Worked on Webpack for build and webpack-dev-server a server.
* Developed **Microservices** to provide RESTful API utilizing Spring Boot with various data persistence frameworks.
* Designed and developed the business logic layer components in middle-tier of the application using Spring Framework4.0 and Spring Boot in STS.
* Designed and implemented business logic with Spring 4.0 framework to perform IOC to isolate business logic from data presentation, AOP, and integrated Spring MVC to define Controller, action mappings, services.
* Deployed **Spring Boot** based micro services Dockers container using Amazon EC2 container services and using AWS admin console.
* Re-platforming Java user interfaces, batch processes. Backend will get processed on batch and update the data base.
* Develop batch processes for financial reporting applications and modules using Perl Korn shell scripts on Oracle database, with partitions and sub-partitions.
* Developed Micro services using Spring Cloud, Spring BOOT, Spring Config Server, Netflix Eureka, Netflix Zulu (Edge Server), Netflix Ribbon.
* Developed **RESTful** webservices resources using Spring to serve the data in JSON format and used Swagger to create the REST API documentation for clients.
* Experience in core **AWS** services like S3, EC2, ELB, EBS, Route53, VPC, Auto scaling and deployment services like Elastic Beanstalk, Ops Works, Cloud Formation and security practices like IAM, Cloud Watch and Cloud trail.
* Involved in writing java API for Amazon Lambda to manage some of the AWS services.
* Designed and implemented the **MongoDB** schema and Wrote services to store and retrieve user data from the MongoDB for the application on devices
* Created collections and perform CRUD operations on MongoDB using Mongoose and used Mongo Repository and spring Mongo template for persistence.
* Developed JMS interface programs to push the new data from the One Point Application to other Corporate systems.
* Experience in handling messaging services using Apache Kafka by Configured Kafka to read and write messages from external programs to handle real time data.
* Used Continuous Integration (**CI**) and Continuous deployment (**CD**) for integrating and deploying purposes using Jenkins whereas Gradle tool are being used for building purposes of code.
* Track failure events by adding sufficient logs for monitoring in Splunk.
* Create desktop application with Angular 2/4 and Unit Test with Karma-Jasmine.
* Used **Docker** to create the environment using docker images and set up the **Linux** environment
* Followed test driven design (TDD) technique and worked on Pair programming.
* Basic understanding in **UNIX**, Linux and **Linux Shell Scripting** and wrote many shell scripts in Unix to call routines.
* Modified existing Shell scripts in Linux to call daily sub routines.
* Developed the pages that are complaint to W3C and ADA section, 508(c) standards.
* Performed various Linux system admin tasks including hardware related problems.
* Maintaining multiple RedHat Enterprise Linux servers.
* Used Log4j to implement logging facilities, track information and used **Subversion** (SVN) for version control.

**Environment:** Java, J2EE, spring, Python, JavaScript, HTML, Angular 2, Angular 4, Kubernetes, CSS, ReactJS, jQuery, HTML5, Jenkins, LESS, Spring boot, Microservices, Nodejs, SaaS, Web Services (SOAP, WSDL), REST services, XMPP, Linux/Unix, JUnit, XML, Maven.

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| **Client: Fifth Third Bank, Columbus, OH Mar 2014 – July 2016**  **Role: Full Stack Java Developer** |

**Responsibilities:**

* Participated in **Agile** and **Scrum** meetings for requirement gatherings and product development.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on **Service Oriented Architecture** (SOA).
* Developed Web-application pages using HTML, CSS3, Bootstrap and AJAX.
* Knowledge experience with other NoSQL Databases.
* Migrated Databases from Relational Database to Non-Relational Database [NOSQL] including SQL Server to MongoDB.
* For client-side view rendering services, used React JS typically used various predefined Redux libraries.
* Configured React-Redux for state management and React-Router for programmatic navigation.
* Implemented Store-Redux for holding the whole state tree of application and Reducer-Redux for describing actions.
* Legacy Web Services Systems using SOAP (AXIS-2) is migrated and implemented using **REST** (Jersey extending the JAX-RS) with data representation in different formats such as XML and JSON.
* Developed lot of reusable components and utility classes in core Java, created multiple abstract classes and interfaces to abstract details from end user.
* Accessed Restful resources with HTTP protocol, the URL of the resource serve as the resource as the resource identifier and GET, PUT, DELETE, POST and HEAD are the standard operations.
* Created and consumed RESTful based Web services and used SOAPUI to test for send and receive XML data and worked with JMS Queues for sending messages in point to point mode communication.
* Developed REST Web services using JAX-RS and Jersey to perform transactions from front end to our backend applications, response is sent in JSON or XML formats based on the use cases.
* Developed API's using Apache Camel Rest to interact with other applications and Jersey to perform transactions from front end to our backend applications, response is sent in JSON format based on the use cases.
* Combined multiple existing batch applications into a single Spring Batch application to promote code reusability and maintainability.
* Involved in batch processing using Spring Batch framework to extract data from database and load into corresponding tables.
* Implemented WADL configuration and API documentation for the understanding of Rest based web services.
* Experience in using the **Docker** container system with the Kubernetes integration.
* Using Jenkins for building the code and deployment onto Kubernetes.
* Developed necessary parsing and XML construction logic using XML parser APIs JAX-B.
* Wrote python scripts to parse XML documents and load the data in database.
* Experience in Data migration from DB2 to Apache Cassandra DB and involved in major and minor up gradation of Couch base and Cassandra cluster.
* Utilized **Cassandra**, NOSQL database management system for keeping user generated data and to store poisoned messages.
* Created application for data modelling to allow various DB2 to Cassandra table migration use cases and used   Cassandra   CQL with Java API's to retrieve data from   Cassandra   tables.
* Developed Apache Camel middleware routes, JMS endpoints, Spring service endpoints and used Camel free marker to customize REST responses.
* Used Java Message Service JMS API for reliable and asynchronous exchange of important information.
* Message broker services are achieved in the application using Active MQ with JMS framework.
* Used Maven build tool to deploy the application on web servers i.e. JBoss.
* Managed integration of Splunk for logging REST API transactions.
* Expertise in stash bit bucket and version control tools
* Performed center load testing and compression testing on bamboo.
* Developed automation scripting in core to deploy and manage Java applications across Linux servers.
* Used Jenkins CI/CD tool to make the build passes before deploying the code to other environments
* Focused on Test Driven Development (**TDD**) thereby creating detailed JUnit tests for every single piece of functionality before writing the functionality.
* Monitored the error logs using Log4J and fixed the problems.

**Environment:** Core Java, J2EE, JMS, SOA, Apache Tomcat, Eclipse, UML, HTML, Kubernetes, Python, Cassandra DB, AWS, Node.js, Java Script, jQuery, XML, Log4j, Oracle, JNDI, JUNIT, Maven, log4j, Linux/Unix, SVN and Mockito.

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| **Client: Petsmart, Phoenix, AZ Aug 2013 – Feb 2014**  **Role: Java Developer** |

**Responsibilities:**

* Implemented monolithic application by involving in Software Development Life Cycle (**SDLC**) using OOAD, UML design patterns.
* Created user-friendly **GUI** dynamic interface and Web pages using HTML, CSS, JavaScript, jQuery like designing logos and templates for client-side validation.
* Implemented server-side components primarily using Core Java, Multithreading, Spring, Spring JDBC and Web Services.
* Well versed with core Java concepts like collections, multithreading, serialization, Java beans.
* Used **AngularJS** as framework to create single Page Applications which can bind data to specific views and synchronize data with server.
* Created custom directives and filters using AngularJS built-in $http service from controller through dependency injection.
* Used client-side form validation of AngularJS framework to monitor the states of the form and input fields and notify the user about the current state.
* Extensive experience working in **Spring** Framework Spring MVC, Spring AOP, Spring DAO, Spring ORM, Spring Security and O/R mapping Hibernate framework and by implementing Java EE components using Spring MVC, Spring IOC, Spring transactions and security modules.
* Implemented service layer using Spring IOC and annotations and Controllers using Spring MVC.
* Involved in the upgrade process of Spring 2.0 to Spring 3.0 and Hibernate 2.x to Hibernate 3.0 to take advantage of new Spring and Hibernate features.
* Extensively used Spring IOC configured Application Context files and performed database object mapping using Hibernate annotations.
* Developing application using Spring MVC, Dependency Injection to improve usability and flexibility.
* Used Spring API's for wiring components using dependency injection.
* Used Spring **JDBC** Template and implemented DAO design Pattern to connect and retrieving data.
* Developed Entity Beans as Bean Managed Persistence Entity Beans and used JDBC to connect to backend database.
* Used JPA and Hibernate with entity beans for interacting persistence layer for CRUD operations.
* Used Hibernate Persistence strategy for mapping business objects to the Oracle database.
* Development and support of Restful Web services that support JSON using Spring Web services JAX-RS JSON Spring MVC Module.
* Implemented the **Hibernate** framework ORM to interact using XML files with the MySQL Server.
* Configured Hibernate, Spring and MyFaces JSF to map the business objects to Database using XML configuration file.
* Created and maintained mapping files and transaction control in Hibernate.
* Used Hibernate ORM framework as persistence engine, configured O/R mapping and wrote hibernate queries.
* Used Hibernate Criteria API to apply filtration rules and logical conditions on persistence objects.
* Implemented PL/SQL queries and used Oracle stored procedures, and built-in functions to retrieve and update data from the databases.
* Used **PL/SQL** collections, Bulking techniques, Table Partitioning to increase database performance.
* Wrote Operations and corresponding handlers to communicate with Oracle database sitting on Linux/Unix server.
* Worked on LINUX commands to manage and setup the environments for running the applications.
* Worked on **Swagger** API and auto-generated documentation for all REST calls.
* Created/updated the swagger files to configure the definition objects or parameters of service end points.
* Deployment to Tomcat server and looking into the Splunk logs for hidden application errors.
* Used **Jenkins** to Continuous Integration Build Docker images and deploy on OpenShift.
* Implemented IBM MQ API to put get the messages from Message Queue.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Implement Continuous Integration and Continuous Delivery (CI & CD) Process stack using GITHUB/GIT, Jenkins, Artifactory, Chef and Puppet.
* Handled all aspects of the web application including maintaining, testing, debugging and deploying.

**Environment:** HTML5, CSS3,JavaScript, Java 1.6, JSP, XML, Bootstrap.js, Angular.js, D3.js, DHTML, jQuery, Ajax, DOM, JSON, Spring, Hibernate, Adobe Flash, SOAP, Unix, Web Services, Eclipse.

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| **Client: Genpact Hyderabad, India June 2012 – July 2013**  **Role: Java Developer** |

**Responsibilities:**

* Involved in requirements gathering and designing low and high-level requirements documents for **monolithic** application.
* Involved in analysis, design and development of project and implemented OOPS concepts.
* Involved in the extensive usage of HTML, CSS, JQuery, JavaScript, and Ajax for client-side development and validations.
* Well experienced in **Core Java** like asynchronous programming, multithreading, Garbage collector, collections and a few design patterns.
* Well versed in using **Struct** web container framework for developing applications using JSP, Servlets, JSTL and Java Beans, Struct Tag libraries.
* Used Struts Validation framework in the presentation layer.
* Implemented several agents as **Servlets** that run regularly to load the data into DB2 database from external systems.
* Various PL/SQL triggers were written to handle the automatic order issuing
* Involved and used in log4jAPI for logging application flow and debugging.
* Webservices communication used soap.
* Used **Soap UI** for load testing the Web services and involved in creation of various Data Access Objects.
* Used CVS for version control across common source code used by developers and Developed J-Unit test cases for all the developed modules.
* Responsible for application setup and configuration in the development, QA and Production environment and preparation of the timely builds using ANT, releases, and deployment on Tomcat Server for web applications and web portals respectively.
* Involved in unit testing.
* Used Firebug for application webpage troubleshooting and Eclipse debugger for the bug fixes.
* Responsible for Code review and comments for other team members.

**Environment:** JDK 1.5, Core Java, Java 1.6, Advanced Java, Struts, JSP, Servlets, JMS, XML, SOAP, WSDL, JavaScript, UML, HTML, JNDI, CVS, log4j, Web sphere Application server, Oracle 10g, Eclipse.