**Ashok Kumar Upputuri**

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**FULL STACK/JAVA DEVELOPER**

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**PROFESSIONAL SUMMARY:**

* Having 7+ years of professional experience in developing web based, SOA/Microservice based and **client/server applications in multi-platform environments with Java/J2EE technologies,**Involved in all the phases of Life Cycle of Software Development (SDLC).
* Analysis, Design and Development of **J2EE** Business applications, **Web-based and n-tier applications** using the following core technologies - **Java, Servlets, JSP, JSTL**, and **XML**.
* Proficient in **Java** **Multi-Threading**, Thread lifecycle methods and multiple request handling using synchronization.
* Exposure towards the workflows and process design using BPMN2 on BPM tool
* Hands on experience with **Core** **Java** with Multithreading, Concurrency, Exception Handling, File handling, IO, Generics and **Java** collections.
* Experience in developing web based J2EE applications using **Struts/Spring frameworks.**
* Experience in developing applications using SDLC methodologies like **Waterfall, RUP, Agile (TDD, SCRUM)** and Test-Driven Development.
* Developed **Service Oriented Architecture** (SOA) and Micro Service Architecture based **J2EE** applications.
* Utilized Java 1.8 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Experience in developing and deploying applications on Cloud Platforms like Amazon Web Services.
* 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.
* Excellent in deploying the applications in **AWS** as **EC2** instances and created snapshots for the data that had to be stored in **AWS S3**.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or moreEC2 instances.
* Experienced working with **Java 8** concepts like Streams, Completable features and Java8 Lambdas.
* Extensive experience in Telecom Domain Specific Frameworks such as **Concept wave**.
* Experience in using Data Structures and Algorithms, Object Oriented Analysis, and software design patterns.
* Experience in developing front-end User Interfaces using XML, HTML/HTML5, CSS/CSS3, Angular JS, Angular 2, Ajax, JQuery and JavaScript.
* Extensive experience in Test Driven Development (TDD) and actively involved **in Requirement gathering, Analysis, Design, Reviews, Coding, Code Reviews, Unit**and **Integration Testing**.
* Hands-on experience in development of **microservices** and deploying in Docker.
* Experience Developing application using Groovy, Grails, GSP, GORM and Grails Plugins and Grails Rest Services.
* Experience in Spring Framework such as**Spring Boot, Spring Batch, Spring IOC, Spring Resources, Spring JDBC, Spring Source**.
* Implemented the service projects o**n Agile Methodology**and involved in running the scrum meetings.
* Experience in developing web-services using **REST, SOAP, WSDL and ApacheAXIS2.**
* Excellent in relational database (RDMS) experience in Oracle, MySQL, Sql Server, IBM DB2 and MongoDB for Big data environment, Experience in writing the SQL queries.
* Proficient in programming with **Java/J2EE** and strong experience in technologies such as JSP Servlets, Struts, spring (IOC&AOP), Spring Batch, Hibernate, ATG Commerce, EJBs, MDBs, Session Beans, JDBC and JNDI.
* Experience with IBM WebSphere as application server, its configuration and performance tuning.
* Implemented a Continuous Integration system using SVN, Jenkins, **Bamboo** and ANT.
* Worked on enterprise web application which is used for online ticket booking system for the flights. Languages utilized: **Mongo DB, AJAX, JSP, J2EE, JavaScript, BOOTSTRAP**,**HTML5 and CSS3.**
* Experience in designing and developing UI Screens using **Java Server Pages, Html, CSS and JavaScript.**
* Used **CVS, Maven, and SVN, GitHub, Rational ClearCase** for Source code version control.
* Experience in designing transaction processing systems deployed on various application servers including **Apache** **Tomcat**, **Web Sphere, Web logic.**
* Good Experience on **Quality Control, JIRA,**for tracking the tickets like **accepting** the tickets/defects, **Submitting** the tickets, **Reviewing**Code and **closing** the tickets etc.
* Designed dynamic user interfaces using **AJAX and JQuery** to retrieve data without reloading the page and send asynchronous request.
* Experience in UNIX, Linux and UNIX Shell Scripting, good Knowledge in Unix commands and in creating Unix Shell Scripts.
* Excellent **Client interaction skills and proven experience** in working independently as well as in a team and Excellent **communication, analytical, interpersonal** and presentation skills.

**TECHNICAL SKILLS:**

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| **Languages** | Java, PL/SQL |
| **Web Technologies** | HTML5, DHTML, CSS3, JavaScript, AJAX, JQuery, AngularJS, Bootstrap |
| **Java/J2EE Technologies** | J2EE, Servlets, JDBC, Struts, EJB, Hibernate, Spring MVC, Spring Boot, Spring Security, SOAP, REST, JSF |
| **Application/Web servers** | IBM WebSphere, Apache Tomcat, WebLogic, JBoss |
| **Relational Databases** | Oracle 9i/10g/11g, DB2, SQL Server, MySQL, Mongo DB |
| **Cloud Environments** | AWS, Pivotal Cloud Foundry |
| **IDE** | Eclipse, NetBeans, IntelliJ IDEA, Spring Tool Suite (STS) |
| **Operating system** | Windows 10, Linux, Unix, Mac OSX |
| **Methodologies** | Agile, waterfall, Test Driven Development (TDD), Scrum |
| **Build Tools** | Ant, Maven, Gradle |
| **Version Control** | CVS, SVN, Git |
| **Web Services** | SOAP, REST, JAX-WS, JAX-RPC, JAX-RS |

**PROFESSIONAL EXPERIENCE:**

**Client: DXC Technology**

**Location: Tysons, VA April 2017 – Till Date**

**Role: Full stack Java developer**

**Roles and Responsibilities:**

* Developing the **Micro Services** using Spring Boot that create, update, delete and get the assignment information from backend.
* Used **Spring Boot** for the application development. Designed the system based on **Spring MVC** architecture. Developed a business logic layer using **Spring** Framework.
* Wrote services to store and retrieve user data from the **Mongo DB** for the application on devices.
* Implemented **Micro-services using Pivotal Cloud Foundry** platform build upon Spring Boot Services.
* Worked on user interface design and development using **Angular.js, jQuery, AJAX, JSON, Bootstrap, DOM, HTML** and **CSS.**
* Developed **Data Access Object (DAO)** for interacting with database using Hibernate.
* Developed and consumed **JSON** based **RESTful**services using **Spring MVC** and **Spring Boot.**
* Experience in Spring Framework such as Spring Boot, Spring MVC, Spring IOC, Spring Resources, Spring JDBC.
* Configured and verified **AWS** workstations as per application requirement.
* Experience in working with Relational Database (**RDBMS**) concepts, database designing, Normalization, PL/SQL, Stored Procedures, Triggers and extensively worked with SQL Server, Oracle and MySQL.
* Used **JMS API** for communication between the components.
* Experience in writing complex **PL/SQL** queries using **joins, Stored Procedures, Functions, Triggers, cursors**, and indexes in Data Access Layer.
* Implemented Spring Data Elastic Search using **Spring Boot Repository/DAO.**
* Collaborated with testers and developers and prepared test plans for producing high quality software applications.
* Experience in using JUnit and build tools such as **MAVEN**. Worked on Log4j for logging errors, messages and performance logs and SVN for version control.
* Experience with **Eclipse** toolbar open the drop-down **Amazon Web Services menu (identified by the AWS icon)** and select **AWS Lambda Java project**.
* Using Jenkins with **Maven** to Compile & Build **Microservices** **java** code and configure Build Triggers.
* Created an **AWS** RDS Aurora DB cluster and connected to the database through an Amazon RDS Aurora DB Instance using the Amazon RDS Console.
* Written Producer APIs to read the Feed files (JSON) and publish Assortments, Products to Apache Kafka Topic by using custom Serializers.
* Developed POJO classes, and configuration files and Involved in writing some Junit Test cases.
* Have worked on Splunk in this project. Have the responsibility to setup the Splunk forwarder. Splunk has been used as an effective search tool in our project to reduce errors and production ticket. We use to forward logs in Splunk server.
* Worked on **AWS,** High Availability Practices and deploying backup/restore infrastructure.
* Implemented Business logic in the middle-tier using **Java** classes, **Java** beans and Multi-Threading and Caching were used to improve user experience.

**ENVIRONMENT:** Java 8, Spring 5.0, Spring boot, Hibernate 3, GIT, SVN,1 Webservices (Rest, SOAP), MongoDB, LDAP, HTML, CSS, JavaScript, Bootstrap, JSON, Splunk, jQuery, Angular 2, Angular- JS, Xml, Stored Procedures, JUnit, Ant, Windows, Agile/Scrum.

**Client: BCBS**

**Location: Raleigh, NC March 2016 – April 2017**

**Role: Sr.java Developer**

**Roles and Responsibilities:**

* Interacted with team members and involved in analysis, design and implementation phases of the software development lifecycle (SDLC) for the various software modules of the Mobile Wallet application.
* Deployed application using **Pivotal Cloud Foundry (PCF) CLI and with Pivotal Cloud Foundry the** connection/service binding details are injected from the deployed cloud platform itself.
* Developed Sales and Margin module using Spring Boot, **Microservices.**
* Extensive Experience developing robust and highly scalable applications based on **microservices architecture.**
* Used Eclipse IDE as the development environment to design and develop the code.
* Designed and developed various modules of the application with J2EE design architecture, using Spring MVC frame work, and deployed the spring components on WebLogic.
* Worked on ISO parser tool with **Pivotal Cloud Foundry (PCF)** and trained on Technical Essentials and Architecture with **Amazon Web Services (AWS).**
* Worked on **Cloud Foundry,** User Account and Authentication (**UAA**), **OAuth2**Authorization, and **Spring**.
* Involved in the integration of Spring components for implementing Inversion of Control (IOC) using Dependency Injection and integration of other spring components like Dispatcher Servlets, Controllers, Model and View Objects.
* Created and updated database objects in Concept Wave frameworks.
* Working in an intense iteration based lean agile system and Integrated Junit 4 test cases into the application and promoted test-driven development within the team.
* Under the Spring framework used Jaxb to map **java** classes to Xml schemas and used Xslt to transform the Xml files, Xsd was used to describe the structure of Xml.
* Used **AJAX** and **JavaScript** for Server side/client-side validation.
* Worked on **AWS** Lambda, **AWS** code deploys, **AWS** CloudFormation and cloud foundry.
* Used MS Visio, Dreamweaver and Photoshop tools for web application development.
* Used Struts 2 framework along with Spring and to model the application in MVC architecture.
* Incorporated multithreaded techniques for creating high performance applications. Multithreading was used to process data in chunks to improve performance.
* Used new **Java** 8 features - Streams, Collectors, Lambda, new Executor service.
* Developed application using Groovy, Grails, GSP, GORM and Grails Plugins and Grails Rest Services.
* Implemented stored procedures using the Hibernate framework.
* For the front end, interactive and dynamic Webpages were created using Html, CSS, JavaScript, JSP, JSTL tags and Angular-JS, Node.js, ExtJS, Redux, as the web-framework.
* Used Node.js, ExtJS for asynchronous data communication between server and client.
* Extensively used Core **Java** such as Exceptions, and Collections. Implemented Multithreading, Synchronization using Thread pools, executive service and lock interfaces.
* Developed helper utility for MongoDB interaction.
* Worked on **Amazon Web Services (AWS)** for a multitude of applications utilizing the **AWS** stack such as EC2, VPC, Glacier, Route53, S3, RDS, Cloud Watch, Cloud Trial, WAF, SNS and IAM, focusing on high-availability, fault tolerance, Load balancing and auto-scaling in designing, Deploying and configuring.
* Implemented **Spring Boot Micro services** to divide the application into various sub modules.
* Involved in designing application system requirements and coded back-end and front-end in Python.
* Used SOAP and WSDL Web Services to exchange information over Http.
* Used Splunk and Log4j as the Logging Framework.
* Implemented a Distributed task execution framework on AWS Amazon EC2 using Amazon’s SQS and DynamoDB and evaluated the performance
* Building UNIX shell scripts for data migration & batch processing. Built and deployed scripts using Apache Ant.
* Designed a data model in Cassandra (POC) for storing server performance data,
* Ingested data from Hive into Cassandra.
* Implemented a Data service as a rest API project to retrieve server utilization data from this Cassandra Table.

**ENVIRONMENT: Java** 8, Spring 3.0, Struts 2, Redux, Splunk, **Pivotal Cloud Foundry,** Linux Shell Scripting, spring boot, AWS, Hibernate 3.0, MongoDB, Spring Batch, Test Driven Development (TDD), Multithreading, Web Services(Rest, Apache CXF), WebSphere, Spring, HTML, JSP, CSS, JavaScript, JSON, jQuery, Angular.JS, Node.js, ExtJS, Grails, Xml, Xsl, **microservices,** Xslt, Xsd, Jaxb, Tomcat, SQL Server, Mockito, Jaxb, JUnit, Ant, Log4j, Windows, Lean, Agile/Scrum.

**Client: Farm and Local**

**Location: Bedford, NH January 2015 – March 2016**

**Role: Java/J2EE Developer**

**Roles and Responsibilities:**

* Extensively involved in developing Web interface using JSP, JSP Standard Tag Libraries (JSTL) using Struts Framework.
* Developed application using spring MVC, Spring Batch, JSP, JSTL and AJAX on the presentation layer, the business layer is built using spring.
* Working on Angular, HTML5, CSS3 and Typescript. Worked on additional frameworks like Bootstrap for responsive design.
* Designed the system based on spring MVC Model architecture. Developed a business logic layer using spring Dependency Injection and client-side **Java**-beans for DAO Design Patterns.
* Create internal dashboards, alerts, and scheduled reports to monitor overall Splunk performance. On boarded new data into a multi-tiered Splunk environment.
* Designed and developed components relating to Concept Wave projects.
* Created and updated database objects in Concept Wave frameworks.
* Created Stream Rest based Application interfaces on **java** 8 environment.
* Implemented batch configuration in spring boot application. Created the Maven project to integrate Spring boot, Restful API, Oracle & **microservices.**
* Worked on **Java** Multithreading, Collections & Coherence Framework. Implemented **Java Multithreading** to refresh the cache at a given set of time interval.
* Involved in process for builds and deployments with Maven, **Bamboo** and Jenkins for continuous integration.
* Created WAR/EAR files using MAVEN build and deployed them on JBOSS server.
* Created multi-module Maven project and used Maven to build applications and Jenkins for continuous integration continuous deployment.
* Created User services in Cloud Foundry for connecting database with different life cycles using spring profile.
* Used SOAP web service to get corporate card information and to make changes in the card database for businesses.
* Worked with IBM SOA Suites like WebSphere MQ Programming.
* Create API Jenkins job, set up GitHub repository for Mule project also created project POM.
* Created SOAP web service in pushing data to downstream systems and Implemented request and response objects using SOAP web services.
* Written SQL statements for retrieving data from DB2 using JDBC and used IBM Data Studio to view and update the DB2 Database and worked on MongoDB.
* Developed and written Stored Procedures and views to extract the needed data from DB2 and reflect on the UI. Created DB2 Server Stored Procedures for implementing business logic at the database level.

**ENVIRONMENT:** Struts 2, Spring Batch, **Bamboo,** Spring Boot, MongoDB, **Microservices,** Drupal, Hibernate 3.0, Angular 2, GitHub, Concept Wave, Multithreading, Web Services (Rest, SOAP), WebSphere, Spring, HTML, JSP, CSS, JavaScript, JSON, jQuery, Angular- JS, Xml, JBOSS 6.2, DB2, Stored Procedures (DB2), JUnit, Ant, Windows, Agile/Scrum.

**Client: Syntel**

**Location: Hyderabad, India Feb2012 – December 2014**

**Role: Java/J2EE Developer**

**Roles and Responsibilities:**

* Designed the user interfaces using JSP.
* Developed Custom tags, JSTL to support custom User Interfaces.
* Developed the application using Struts Framework that leverages classical Model View Controller (MVC) architecture.
* Used GitHub version source control tool, integrated and implemented GitHub API's to configure and list the existing project repositories by using RESTful web services.
* Loaded the data from Teradata to HDFS using Teradata Hadoop connectors.
* Involved in Transforming Data within a Hadoop Cluster using Pig Scripts.
* Designed and developed **microservices, using Java, Spring, REST.**
* **Implemented Business proces**ses such as user authentication, Account Transfer using Session EJBs.
* Deployed the applications on IBM Web Sphere Application Server.
* Used **Java** Messaging Services (JMS) and Backend Messaging for reliable and asynchronous exchange of important information such as payment status report.
* Developed the Apache Ant scripts for preparing WAR files used to deploy J2EE components.
* Front end Developing of the Website Builder with AngularJS, Bootstrap.
* Created Jenkins jobs and running the jobs to check for any build issues. Integrated Jenkins with SonarQube to check for the quality standards.
* Used JDBC for database connectivity to Oracle 8i.
* Written PL/SQL in Oracle Database for creating tables, triggers and select statements.
* Improved code reuse and performance by making effective use of various design patterns such as Singleton, Session Façade, Value Object, etc.
* Involved in JUnit Testing, debugging, and bug fixing.
* Used Log4j to capture the log that includes runtime exceptions and developed WAR framework to alert the client and production support in case of application failures.

**ENVIRONMENT:** **Java**, GitHub, J2EE,JSP, JSTL, Struts, Angular Js, EJB, JMS, Hadoop, Hive, JNDI, Pig, Jenkins, Oracle, Typescript, Bootstrap, **HTML**, XML, WSAD (Web Sphere Studio Application Developer), **IBM Web Sphere** Application Server, Ant, CVS, Log4j, Linux.