# Deepika A

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# SUMMARY:

* 8+ years involved in the Software Development Life Cycle **SDLC** phases which include **Analysis, Design, Implementation, Testing and Maintenance.**
* Expertise in Java programming and good understanding of **OOP’s** concepts like **Collections, Exceptions Handling, Input/Output(I/O) systems, File systems, Annotations** and **Multi- Threading**.
* Extensive experience with **React**, **Node.js**, and **Java** in developing scalable and efficient applications.
* Proficient in microservices architecture, cloud deployment, containerization, and modern front-end development frameworks.
* Experience in migrating from **Java 1.7 to Java 1.8** and implementing new features of **Java 8** like **Java Streams API, Functional Interfaces** and **Lambda** **Expressions.**
* Extensive experience in architectural issues and their solutions using various design patterns such as MVC **(Model-View-Controller), Singleton, Facade, Factory, Abstract Factory.**
* Good knowledge of **spring’s IOC, AOP, Spring MVC, Spring Boot, Spring Cloud** and **spring's integration**.
* Hands on experience in developing and registering web services using **JAX-WS, JAX-RS, SOAP and RESTful.**
* Experience in configuring and deploying the web applications on **WebLogic, WebSphere** and **JBoss** Application Servers including hands on experience in using **Tomcat** web Server.
* Strong working knowledge on **Relational** databases like **Oracle DB, MySQL** and **NOSQL** databases like **MongoDB.**
* Experience with **Docker**containers, leveraging Linux Containers and AMI's to create **Docker Images/ containers.**
* Experience in automated deployment tool such as service **Kubernetes** which is use to deploy quickly and predictably.
* Experience with messaging systems like **Kafka, Kafka event sourcing**.
* Experienced in complex **PL/SQL queries, Procedures, Triggers, Stored Procedures**.
* Used a **Microservices** architecture, with **Spring Boot-**based services interacting through a combination **of REST WBS** and **Apache Kafka message brokers.**
* Experience with features of **Angular 4** such as directives, dependency injection, modules and routing.
* Extensive experience in developing **Web interfaces** using **HTML5, CSS3, Bootstrap, SASS, LESS, JavaScript, JQuery, Angular-JS.**
* Good knowledge on **Amazon Web Services (AWS)**, **Amazon Cloud Services** like **Elastic Compute Cloud (EC2), Simple Storage Service(S3), Amazon Simple DB, Amazon Cloud Watch, SNS** and experienced in building highly scalable java applications using various architectures.
* Worked on **Code Optimization** & **Performance Tuning** of various applications.
* Hands-on experience in using **Eclipse, SLF4j, Log4j, JUnit, Mockito, Splunk** for building, logging, testing **JTest** for Performance Testing**.**
* Excellent **Client interaction skills** and proven experience in **working independently** as well as in a team. **Strongly initiative, creative** and **able to learn new technologies**. Ability to deal with people, ability to grasp things fast. Strong sense of **team player**.

# TECHNICAL SKILLS:

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| **Programming Languages** | Core Java (Java 8 and Java 11), J2EE (JSP, GSP, Servlets, JavaScript, Spring), Groovy on Grails, Python, PHP |
| **Frameworks** | React, Node.js, Spring MVC, Spring Boot, Spring Security (LDAP), Spring Core, Spring ORM, Spring Batch, Spring Cloud / Config, Spring Actuator, Java OPA with Spring Security / Authorization |
| **Methodology** | OOPS, J2EE Design Patterns |
| **Scripting Language** | Java Script, JQUERY, CSS, Bootstrap, and Angular 7/8 |
| **Web Technologies** | HTML, JavaScript, CSS, AJAX, JSON, JQUERY, React, Node.js, WordPress, Magento, Kotlin, Angular JS, React JS and Node JS |
| **Database** | Oracle11g/10g/9i, MySQL 5.x SQL, PL/SQL, SQL-Server, Mongo DB, Cassandra, PostgreSQL, DB2 |
| **Operating System** |  Windows, LINUX/ UNIX |
| **IDE Tools** | Eclipse, STS, IntelliJ, Web Storm, Visual studio code |
| **Web Services** | SOAP UI, REST |
| **Version Control** | GIT, Bitbucket, CVS, TortoiseSVN |
| **Artifactory** | JFrog and Maven |
| **Cloud Platform** | AWS, Azure |
| **CI / CD Tools** | Jenkins, Concourse Pipeline, Docker and Kubernetes |
| **Resting Frameworks** | Selenium, Cucumber, JUnit, Mockito, EasyMock |
| **Distributed Data Streaming** | Apache Kafka and Redis Stream |
| **Tools** | Maven, Gradle |
| **Web/App. Servers** | Apache Tomcat, NGINX, WebSphere liberty, JBoss 4.x/5.x, |
| **Reporting Tools** | ServiceNow, New Relic and Splunk |
| **Vulnerability Tools** | SonarQube, TwistLock |
| **Management Tools** | Agile Methodology - Jira |

**PROFESSIONAL EXPERIENCE:**

 **Transamerica Corporation (**Remote**) Jan 2022 - Till date**

 **Role:** Senior Full Stack Developer

 **Responsibilities:**

* **Leading** the offshore development team, **reviewing the PR** and **Code review** the changes, making sure that the team fully understands the project requirements, **planning** and **prioritizing** the work, **communicating the status update** of the team to the business and product owner, consulting and ensuring the **performance of the team** and **mentoring the team** as well.
* Involved in all phases of **SDLC** in involving specifications, gathering Requirements, Designing, Coding, Testing, Deploying, and Maintaining in implementing projects. functionalities using **Agile Scrum Methodology**. Participated in **Scrum** related activities and daily standup meetings.
* Developed a dynamic and responsive front end using **React** and **Angular 8**, enhancing user experience and performance.
* Built scalable server-side applications with **Node.js** and **Express.js**, integrating **RESTful APIs** and handling asynchronous data.
* Deployed the application on **Amazon Web services (AWS)** and used it to provide a large computing capacity for scalable solutions.
* Involved in developing **UI** using **HTML5, CSS3, JavaScript, Angular 8**.
* Involved in various tasks in support of Coding and Created Reusable Modules and Custom Directives in **Angular 8**which got used in various places of application.
* Extensively used core **Java** concepts like **Collections Framework**, and **Exception Handling, I/O System, Multi-Threading, JDBC, Generics.**
* Used **Java8**features in developing the code like **Lambda expressions, creating resource classes**, fetching documents from database.
* Enhanced Legacy Applications by building new components in **Angular 8** with **REST** wrapper around the existing Backend Java services and developed custom directives, factories and services.
* In the Backend, used **J2EE** technologies such as **Spring 4.0 framework** and Implemented the **Spring MVC** and **Spring Core Annotations** for Dependency Injection **(DI).** Developed our application using features **Spring Boot**.
* Involved in **Java Security** implementation like **Java Cryptography** for encrypting the data with algorithms like **AES, SHA-1, SHA-256**.
* Implemented **Authentication & Authorization** with **Spring Security.**
* Externalize the **Spring Authorization** with **OPA** for the Policy evaluation,
* Involved in the application **Bill and Payment** features, where the application used to send the Invoice to the customers about their payments.
* Enabling automatic rule for the **API** request for the OPA.
* Monitoring the applications for security vulnerabilities through **SonarQube** and **Twist Lock** tools.
* Used Microservice architecture with **Spring Boot** and implemented the Project structure based on **Spring MVC** pattern using dispatched servlet. Designed spring Boot mechanism without configuration **XML's** are replaced it with Java classes.
* Involved in Optimization, optimizing and fine tuning the microservices and the monolithic web applications.
* Involved in **Migration**, migrating the business logic from the pathway calls to the individual microservices and worked in the **Java migration** work from legacy application with **Java 7 to Java 8** and where **Java 8 features** like **Stream API**, **Lambda** been used.
* **Spring Boot** Microservices were developed with microservice architecture using **REST** and **Apache Kafka**.
* Developed reusable and interoperable Web service modules based on service-oriented architecture (**SOA**) by using **RESTful** services.
* Designing and developing modern, secure, and feature-rich android applications using **Kotlin** from scratch,
* Plan, develop, build, and release end-to-end web app using Kotlin.
* Developed the persistence layer using ORM tools like **Hibernate** Framework, performed mappings in **Hibernate** files.
* Deployed applications into Continuous integration environments like **Jenkins** to integrate and deploy code on CI environments for development testing.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**.
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Involved in the deployment release activity from the tag cutting to staging the changes into the AWS cloud native environment.
* Experience in staging the changes from Docker container to the **AWS EKS, EC2 Instances** and good working knowledge in **AWS Services** like **S3 Bucket, EC2, EKS, EC2 Load Balancers, Code Pipeline, Cloud Metric and Cloud Watch.**
* Used **MYSQL** as the **backend database** and involved in design of the database schema and development of Stored Procedures.
* Experience in working with **NoSQL**Database like **MongoDB** to store claims data to do data analysis helpful for organization to monitor and analyze the claims.
* Install, test, and configure the databases using Cassandra.
* Administering **Cassandra database** objects to achieve optimum utilization.
* Developed test scripts in **Selenium** Web Driver using **Java** Language, setting up the automatic build and deployment automation of project by using **Maven**.
* Involved in raising questions for business, Issue/bug tracking monitoring of work assignment in the system is done by **JIRA**.

**Environment:** Java8, JSP, GSP, HTML5, CSS3, JavaScript, React, Node.js, Angular 8, Microservices, Restful Web Services, Hibernate (ORM), Spring Boot, Spring MVC, Spring Batch, Spring Cloud, Selenium, Junit, Jira, Splunk, Log4J, Git, MySQL, NoSQL MongoDB, Maven, Gradle, JFrog, Jenkins, Concourse Pipeline, SonarQube, Twist lock, Docker, Kubernetes, AWS EC2, AWS ECK, AWS Lambda, S3 Resources.

**HR Block (**Remote**) Feb 2019 - Jan 2022**

**Role:** Senior Full Stack Developer

**Responsibilities:**

* Worked in an agile team to deliver the requirements provided by the Product owner.
	+ Creating Design and Architecture of the overall solution.
	+ Implemented **Java 1.8** features like **Lambda expressions, Java Optional, Stream API** for **Bulk data operations on Collections** which would increase the performance of the Application.
* Implementing the **Microservices to base on RESTful API utilizing Spring Boot with Spring MVC.**
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Worked closely with Spring Data main modules **Spring Data REST.**
* Implemented **Authentication & Authorization** with **Spring Security and LDAP.**
* Strong Database design and development likeexperience, which includes developing**Stored Procedures, functions**using**SQL and Oracle** databases.
* Involved designing in web pages using **HTML 5, CSS3, JavaScript, Bootstrap.**
* Developed dynamic and interactive user interfaces using **React**, incorporating hooks and Redux for state management.
* Created reusable **React** components and optimized application performance through efficient rendering techniques.
* Built scalable server-side applications with **Node**.**js** and **Express.js**, handling **API** requests and data processing.
* Implemented **RESTful APIs** in **Node.js** for seamless communication between the front end and back end.
* Involved in developing and implementation of the web application using **Ruby** on Rails.
* Re-write web pages in **Ruby** using Rails **framework**.
* Used **Mockito** for mocking functions and writing unit tests.
* Created the **Docker** containers and **Docker** consoles for managing the application life cycle.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service and** **Kubernetes.**
* **Kafka** integration with **Spark** using **Spark** Streaming API.
* Experience in **Splunk**, **NewRalic**, **Jenkins** and Configuring **Pipeline** jobs for new **API’s**.
* Implemented and designed **AWS virtual servers** to ensure deployment of web applications.
* Used **JIRA** for Project Management, **Bug Tracking and Issue Tracking.**
* Worked on Risk Management **Cloud** **Computing**/**PaaS**/**SaaS**/**IaaS** Infrastructure Architecture Disaster Recovery.
* Integration of Amazon Web Services( **AWS)**with other applications infrastructure.
* Selecting the appropriate **AWS** service based on compute, data, or security requirements.
* Configured local **Maven** repositories and multi-component Ant projects with Nexus repositories and scheduled projects in **Jenkins** for **continuous integration/continuous deployment (CI/CD).**
* Designed an asynchronous orchestration system to handle all fraud resolution **APIs**.

**Environment:** Java 1.7/1.8, Scala, J2EE, Spring4.0, Spring IOC, Spring Boot, Hibernate 4.3, REST Web Services, HTML5, CSS3, JavaScript, React, Node.js, Angular7.0/ 9 .0, AJAX, JSON, OOPS, Postman 2.0, JUnit, Log4j, GIT, JIRA, Jenkins, Oracle 11g, VS code, YAML, Python, Kotlin, Kubernetes, WebLogic, Spark, ATG, Tableau, Ruby**.**

**Kronos, Lowell, MA Dec 2018 – Feb 2019 Role:** Full Stack Developer

**Responsibilities:**

* Worked in an agile team to deliver the requirements provided by the Product owner. Responsible for Database design.
* Writing and implementing efficient code in Core **Java**.
* Design and developed **Restful API** using **Sprint Boot** technologies for different modules in the project as per the requirements.
* Used Spring framework for integrating **Spring MVC** components with business services.
* Development of front-end using **HTML** and **JSP**. **Java Servlets** were used as the interface between the client and the server.
* Planning and creating the website architecture in WordPress.
* Generating **WordPress** themes and plugins.
* Designing, engaging and responsive landing pages using HTML5, CSS **JavaScript** logic and **Node JS**.
* Responsible for developing Full Stack (from Markup. JavaScript, Application service, database and Build Scripts).
* Maintaining the appearance of websites by enforcing content standards.
* Writing the business logic for the modules.
* Maintain and improve the performance of existing software.
* Design and update **software databases Mongo DB, SQL**.
* Maintaining website security and compliance.
* Optimizing and managing the sites for maximum speed and scalability.
* Written **JSP's**, Servlets for developing the application and deployed the application on **Tomcat Server.**
* Written **JavaScript** functions to do client-side validation and **AJAX** functionality is used to get asynchronous data.
* Developed this application based on **Spring MVC** Architecture.
* Designed and developed Customer registration and login screens using **HTML, JSP, Servlets** and **JavaScript**.
* Involved in **Servlets, Java Bean** programming on the server side for the communication between clients and server.
* Test and maintain software products to ensure strong functionality and optimization.
* Building and maintaining profitable relationships with key customers.
* Managed connectivity using **JDBC** for querying/inserting & data management including triggers and stored procedures.
* Tested and deployed the application on **Apache Tomcat**.
* Involving in Project discussion, gathering requirements and business critical customer needs.
* Regression testing and preparing the documents for the releases of software components.
* Hosting the application to QA, SIT and PROD server.

**Environment**: J2EE, RESTful API, Spring MVC, Spring Boot, Spring Cloud, HTML5, CSS3, JavaScript, jQuery, Node JS, Ajax, Apache Tomcat server, Nginx server, Redis Server, WordPress, Apache Couch Database, Mongo Database, SQL, (PayUMoney and PayPal) integration.

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# Praveen Industries, Hyderabad, India Mar 2016 – Nov 2018

**Role:** Java Developer

# Responsibilities:

* Contribute to all stages of software development lifecycle.
* Design, implement and maintain Java-based applications that can be high-volume and low-latency.
* Ensure application designs conform with business goals.
* Identify and resolve any technical issues arising.
* Conducting software analysis, programming, testing, and debugging.
* Manage Java and Java EE application development.
* Support continuous improvement, investigating alternatives and technologies, and presenting for architectural review.

**Environment**: J2EE, RESTful API, Spring MVC, Spring Boot, Spring Cloud, HTML5, CSS3, JavaScript, jQuery, Node JS, WordPress, SQL.