**Deepika Ch**

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**Senior Full Stack Java Developer**

**PROFESSIONAL SUMMARY:**

* Over 8+ years of experience in Web Development, designing User Interface (UI) applications and professional web applications
* Experience in full System Development Life Cycle (**Design, Development, Testing, Deployment and Support) using development methodologies and Agile (Scrum, Kanban, DD - Test driven development, CI-Continues Integration**) automation test.
* Excellent design and programming skills in **Java/J2EE, JavaScript, UNIX shell scripting, Struts, Spring, Angular js**
* **Expertise in application development middleware backend using Java/J2EE, Mainframe, Apache Camel, Spring Framework DB2.**
* **Node.js Java Mail, EJB, Web services, JSP, JDBC, XML, XSD, XSLT, RMI, XML Parsers (DOM and SAX), JAXP, JAXB, Maven, Log4j. Junit, PERL, Power Mockito, Java Beans, JNDI, SQL, PL/SQL, Apache, Oracle, Tomcat, JBoss, Sybase**.
* Skilled in **python** with using new tools and technical developments **(libraries used – beautiful soup, jasy, numpy, matplotlib, pickle, pandas data frame)** to drive improvements throughout entire SDLC.
* Extensive experience in Application **Software Design, Object Oriented Design, Development, Documentation, Debugging, Testing, and Implementation.**
* Experience in designing User Interactive UI Web Pages and visually appealing User Interfaces with the help of **HTML 5 and CSS3**.
* Experienced in working in **AGILE** based development environment and participating in Scrum sessions.
* Acquaintance in applying the latest development approaches including MVC framework in the browser, event-driven applications using Ajax, single page applications using Angular JS and Bootstrap.
* Expertise in coding optimized SQL queries on databases like **UDB, Sybase**, **My SQL, SQL Server and Oracle. Worked on IDEs like Microsoft visual studio, Sublime text, IntelliJ), Web Storm, and Eclipse.**
* Experience in developing web applications using **MVC, MVVM, MVP, Singleton architectures**. Expertise in using source code control systems such as **GIT, Version One, JIRA, and Jenkins.**
* Solid experience with **Responsive Web Design (RWD)** with involvement in several web application development projects Expert in Java/JavaScript programming. Experience with **Node Js and React Js. Good experience with web services like RESTFUL, SOAP**.
* Experience in development tools such as **Babel, Web pack, and NPM. Experience in maintaining Atlassian products like JIRA, Confluence, Bamboo etc.**
* Extensive experience in creating style guides, best practices and setting UI standards for enterprise/consumer applications.
* Used **Node JS** to run Web pack tasks and build properly the project.
* Used **React JS** to create views to hook up models to the **DOM** and synchronize data with server as a Single Page Application (SPA).
* Developed restful web- services using Restful technology to support JSON and XML.
* Experience with Object-oriented programming and Object-oriented design.
* Experience in Database Design, Creation, and management of Schemas, writing Stored Procedures, functions, Triggers, DDL, ML **SQL** queries.
* Expert in configuring **Amazon Web Server (AWS)** instances. Experience of migrating application to AWS and manage applications on cloud.
* Good experience working on **CSS Background, CSS Positioning, CSS Text, CSS Border, CSS Margin, CSS Padding, CSS Table, Pseudo Classes, Pseudo Elements and CSS Behaviors in CSS.**
* Experience and ability to write automation test cases for regression testing. Hands on experience using various Operating - Systems like **Windows, UNIX, Linux.**
* Experience in database related work primarily creating complex s**tored procedures, Views, Triggers, Functions, using PL/SQL**.
* Expertise in **Azure** **Scalability** and **Azure** **Availability** - Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution to manage network traffic.
* Strong database skills in **Oracle 12c, Oracle BPEL, BPM, OSB, Sybase, DB2, My SQL, MS-Access, and MS SQL Server. Experience with JUNIT for unit testing**.
* Very much comfortable in analyzing, debugging, troubleshooting, and solving problems and issues in application.
* Strong perseverance and diligence towards attaining challenging goals and possess good Communication skills and quick learning ability.
* Team player proven to work under tight deadlines and can work efficiently as an individual.
* Excellent communication and relation building skills. Used to update User Interface based on changing needs and requirements.
* Strong team player and effective individual with an ability to adapt to new technologies quickly.
* Strong work ethic with desire to succeed and make significant contributions to the organization.
* Proven capacity to meet deadlines. Good communication and presentation skills. Ability as a good developer and effective interaction with end users**.**

**TECHNICAL SKILLS**

**Java & J2EE Technologies:** Java1.8, JSP, Servlets, JDBC, JSTL, Custom tags, EjB, JavaBeans, JNDI, RMI, EJB Session Beans, Entity Beans, JMS.

**Frameworks:** Struts1.x/2.x, Angular js, Angular js2.0, Node js, ReactJs, JSF2.x, Hibernate (PA, XML), Spring (CORE, BOOT, SECURITY, AOP).

**IDE & Editors:** Eclipse, RAD and Net Beans, Notepad++, Visual Studio, Edit Plus, Sublime Text.

**Web Services:** SOAP, REST, WSDL, UDDI, JAXRS, JAXWS.

**Design Methodologies:** J2EE Design Patterns (MVC, MVP, MVM, Singleton).

**Open Source:** JUNIT, log4j, GIT, CVS, SVN.

**Platforms:** Windows 7/XP, UNIX, LINUX (ubuntu)

**Databases:** Oracle 11g/10g/9i/8i, MS SQL Server, MYSQL-SQL&PL/SQL, No SQL, XQuery and XML Query.

**Internet Technologies:** HTML5, DHTML, CSS (Bootstrap), Java Script, AJAX, XML, DTD/XSD, XSTL, DOM/SAX, JAXP, JAXB, JSON, JQUERY3.x, DO

**Scripting Languages:** Maven, Ant, Java Script, UNIX.

**Cloud Technologies:** AWS Cloud Components S3, EC2, Lambda, Elastic Bean Stalk, ECS, ECS Fargate, RDS.

Azure, OpenShift (Red Hat)

**Tools:** JIRA, Jenkins.

**Web/Application Servers:** Web Sphere8.x, Tomcat7x, Web Logic9.x and JBOSS

**Professional Experience**

**Client : McDonald's , Chicago, IL** Jan 2021 – Present

**Senior Full Stack Java Developer**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
* Designing, implementing, and maintaining Java applications that are often high-volume and low-latency, required for mission-critical systems
* Used java beans, model objects to transfer a package of information among view layer, business service layer, data layer and EJBs to execute business logic separately.
* Used Spring boot and Maven to develop the application.
* Implemented JSF framework extensively which involves building the whole user Interface components using JSF tab panels, Panel groups and data tables. Integrated components like partial triggers, calendar, and action/value change listeners with JSF for enhancing the front-end GUI layout.
* Designed UI pages using JSF, HTML5, Java Script, CSS, AJAX, JQUERY, AngularJS, JSP, JSON and Tag libraries.
* Refectories, re-architected, and enhanced an existing AngularJS application to follow strict MVVM/MVC patterns for improved source code maintenance.
* Developed user interface by using the React JS, Flux for SPA development and Worked in React JS with Redux architecture.
* Developed an AngularJS workﬂow manager leveraging Angular-UI's state router for ﬂexible configuration and management of multi-step user input ﬂows.
* Developed web applications running on NodeJS using the Express framework**,**Vue.js and Backbone.js with Mustache.js for front end MVC/templating.
* Developed crypto rest services using NodeJS and integrated services and Used Node JS to run Web pack tasks and build properly the project.
* Performed User Interface Design and coding using Java & J2EE, Spring framework, Hibernate and Microservices.
* Used multithreading in programming to improve overall performance.
* Implemented JSF with Managed Beans, Topics, and Connection Factories in some portions of project (Model View Controller) to handle/intercept the user requests and used various controllers to delegate the request ﬂow to the Backend tier of the application.
* Developed the front-end using Flash and JSP.
* Performed Unit testing using JUNIT, System, Regression, and Integration Testing.
* Developed the application using agile methodology and followed TDD.
* Involved in various internal releases of the application and supported the application modules during testing and pre-production phases.
* Used Ant for building and deploying the war file into application server
* Involved in migration of Ant to Maven, ClearCase to Git.
* Used Apache Cassandra, which provides ﬂexibility to distribute data across multiple data centers.
* Built custom UI Widgets and Application logic using Angular JS MVC architecture
* Implemented prototyping of user interfaces relating to JavaScript programs.
* Worked with Eclipse as the IDE to develop, test and deploy the application.
* Created an UML diagram that includes Sequence Diagrams, Class Diagrams & use case diagrams as part of the application design using Micro Soft Visio tool.
* Installation, Configuration and Administration of IBM WebSphere Application Server 8.5, 7.0, 6.1, 6.0, 5.1 versions on Windows Environments.
* Used WSDL, SOAP, JAX-WS, JAX-RS, CXF technologies to create web services, generate stubs and consuming the existing services.
* Used log4j for logging purpose.
* Tested SOAP web services using SOAP UI and REST web services using REST Client.
* Monitored database performance and developed new AWS solutions.
* Involved in setting up Connection pooling and used JMS for Asynchronous messaging.
* Involved in peer & lead level design and code reviews.
* Involved in building the code & deploying on WebLogic application server.
* QA, UAT & Production issues investigation and supporting business users.

**Environment**: Java/J2EE, JSF, Prime Faces 5.1, AJAX, Spring 5.0, Angular JS, AWS, Struts, Spring Boot, Spring MVC, Hibernate 5.4, Microservices, HTML5, Web Logic App, JMS, JDBC, Eclipse, Log4j, Maven, Jenkins, Jira, JUnit, Git, Oracle, Web Services- WSDL, SOAP, REST, XML, JSON, SVN, SFTP, Soap UI, Apache Cassandra, Oracle, REST Client, Flash, Tomcat, MS Visio, MySQL.

**Client: Mentor graphics - Portland, OR** Jan 2020 – Dec 2020

**Full Stack Java Developer**

* Involved with all stages of Software Development Life Cycle.
* Developed a Spring boot application using Java to integrate with Real time alerting system which identifies
* the Incoming Fraud/Blacklisted calls and notifies the end user.
* Development of code using HTML, CSS, JavaScript libraries such as JavaScript, jQuery, and Prototype plus relevant coding standards.
* Created and developed webservices using Spring boot application to interact with DocuSign services to get policy package e-signed
* Created a Spring restful webservice to invoke and register a user at the portal.
* Communicated with external services through DataPower gateway which handles the security and integration needs of organization.
* Used Node JS as a runtime environment to launch the web applications and used JavaScript, HTML and CSS for developing the User interface of the application
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concepts.
* Developed the existing code to make the Contentful (Content Management System) & WordPress to interact with webpage
* Used AWS Lambda application to receive and process the incoming kinesis stream and AWS Cloud watch application which logs the application event logs
* Closely worked with business system analyst to understand the requirements to ensure that right set of UI modules been built.
* Wrote application-level code to perform client-side validation using JQUERY, JavaScript.
* Responsible for setting up AngularJS framework for UI development. Developed html views with HTML5, CSS3, JSON and AngularJS
* Experience with React or another JavaScript framework (Ember, Angular, etc.)
* Responsible for setting up AngularJS framework for UI development. Developed html views with HTML5, CSS3, JSON and AngularJS
* Part of team implementing REST API’S in Python using micro-frameworks like Flask with SQL Alchemy.
* Communication with Business Analyst/Users to understand functional requirement and convert functional requirement into system requirement
* Used JSP to create the web pages to provide the adjustment functionality
* The work involved design, implementation and coding in Java, Java Servlets, JSP and JDBC etc.
* Coordination with project team members in Cross Functional and Geographical locations
* Coordination and support on integration testing & User acceptance testing of an application development deliverables
* Project implementation/integration support and Post implementation support
* Developed RESTful microservices using Spring REST and MVC, and Consumed REST based with Rest template based on RESTful APIs.
* Using advanced level of jQuery, AJAX, JavaScript, CSS and pure CSS layouts.
* Created efficient design and developing User Interaction screens using HTML, CSS3, Bootstrap, JavaScript, Angular 6 and Node JS.
* Involved in database design based on customer requirements.
* Designed animated web pages by importing the @angular/animations which is the latest animation package in Angular 6.
* Involved in design, development of Restful and SOAP web services.
* Used TDD method, to write 100% test coverage using jest and enzyme.
* Supported application testing and bug fixing.

**Environment**: Java/J2EE, Struts, Spring 5.0/4.0, Hibernate 5.3.117, REST, SOAP, HTML/HTML5, CSS, CSS3, Ajax, Bootstrap, jQuery, JSON, Angular 6, JavaScript, JSP, GitHub, JIRA, SVN, MySQL, Maven, IBM WebSphere, Docker, Tomcat, SQL Server

**Client: Quantiphi , Marlborough, MA** March 2017 – DEC 2019

**Full Stack Java Developer**

* Implemented Struts Model View Controller architecture to develop presentation tier and business layer.
* Integrated Hardware Security Module (HSM) with the existing web application to encrypt the files during transit.
* Resolved the Broken Authentication & Session Management security vulnerability using security constraints and session tracker
* Configured the struts-config.xml files to create and modify the form beans, Action classes and action mappings
* Used Spring Framework to develop lightweight business components.
* Dealt with Web based security by providing security to websites, web applications and web services. Applied the security specifically to internet and web systems.
* Used Eclipse as the IDE to develop, test and deploy the application.
* Developed Struts Actions that grabs data from the forms, does validation and calls services and data access objects DAO’s.
* Reproduced security issues and the remediation methods for vulnerabilities.
* Used stored procedures & triggers in SQL database
* Identified vulnerabilities and executed the vulnerability remediation methods
* Used XML Gateway to secure, mediate and manage XML traffic
* Worked on preventing Cross site scripting vulnerability in the web applications
* Implemented NodeJS for the creation of web servers and networking tools using Java Script and collection of modules that handle core functionality.
* Involved in designing the Design Document, including Sequence Diagrams, Class Diagrams and Object Models.
* Used Jenkins for continuous integration of the application and worked closely with build and release team.
* Performed Unit testing using JUNIT, System, Regression, and Integration Testing.
* Involved in various internal releases of the application and supported the application modules during testing and pre-production phases.
* Used Apache Cassandra for transaction support which provides no single point failure.
* Created JUnit test cases and test suites for testing the application
* Used HSM, the crypto processor for the protection of crypto key life cycle.
* Used AES key for the encryption of stored data in the Gateway.
* Used SQL Server database for the application.
* Used GIT version control for the software development and other version control tasks
* Involved in building the code & deploying on Web Logic application server

**Environment**: Java/J2EE, JSF, AJAX, Spring 4.0, Angular JS, AWS, Bootstrap, MongoDB, Hibernate, HTML5, Web Logic App server, JMS, JDBC, Eclipse, Log4j, Maven, Jenkins, Jira, Apache Cassandra, JUnit, Git, Oracle, Web Services- WSDL, SOAP, REST, XML, JSON, SVN, SFTP, Ervin, Soap UI, Oracle, REST Client, Tomcat, MS Visio, MySQL 5.6.3Created Build and Release for multiple projects (modules) in production environment using Visual Studio Team Services (**VSTS**).

**Client: DXC technologies , Bengaluru, IN** June 2015 – Feb 2017

**Java Developer**

* Design, develop and debug for data integration, content migration, data archiving and legacy decommissioning applications.
* Used Amazon SNS to deliver messages instantly to user.
* Designed UI pages using HTML5, Java Script, CSS, JSP, JSON and Tag libraries.
* Used Spring Framework for dependency injection for classes using Application Context xml file.
* Used REST web services using JAX-RS to implement both XML and JSON interfaces.
* Built the application using Maven dependency.
* Integrated spring with hibernate using Hibernate Template to perform CRUD operations on database.
* Developed unit test cases using JUnit. Wrote stored procedures and triggers for the project.
* Experienced in functional testing, reviewing, and analysing business requirements and writing detailed Test Plans and Test Cases.
* Responsible for writing application monitor for health status of the application using JavaScript and CSS in HTML.
* Exercised managing, analysing, and understanding unstructured information as part of continuous code performance improvement.
* Participated in the requirements gathering sessions and the detailed design of the entire architecture.
* Designed, developed and implemented the business logic required for Security presentation controller.
* Performed installation and configurations for integration centre, its server and client components.
* Involved in preparation of docs like Functional Specification document and Deployment Instruction documents.

**Environment**: Java, JVM, Spring, HTML5 , CSS, JUnit, JavaScript, JSP, JSON, XML, AWS, Amazon SNS, Maven, SVN, GIT, Oracle, MySQL, REST, SOAP, Tomcat.

**Client: Value bound- Bengaluru, IN** May 2014- May 2015

**Java Developer**

* Participated in design and code review meetings on a weekly basis and before releases.
* Developed server-side applications using Servlets, JSP, EJBs and JDBC and used JMS for communicating with various clients and its components. Used Struts the MVC framework for building web applications.
* Used Web Services-WSDL and SOAP. Developed UI pages with HTML and CSS.
* Retrieved and updated the required data from the database by using the SQL queries.
* Participated in Scrum meetings, project planning, and coordinated the status sessions.
* Used Eclipse IDE and used its standard features for Debugging, Running and Testing.
* Used SVN to maintain the source code.
* Performed Unit Testing and Integration Testing and Deployed the application using WebLogic Web server.

**Environment: Java, JDBC, Servlets, JSP, My SQL, HTML, SOAP, Eclipse, WSDL, WebLogic Server, EJB, GIT, CSS and Strut.**