Deepthi M

khan.p@itd-r.com / 703-634-0268

Summary:

- Around 10 years of experience in all phases of Software Developer Life Cycle which includes User Interaction, Business Analysis, Design, Development, Implementation, Integration, Documentation, and Testing Web Applications.

- Hands-on experience in Design, development and implementation of Web Technologies HTML, HTML5, CSS, JSON, jQuery, JavaScript, Typescript, Perl,React JS, React Native, EDI, Bootstrap, SQL.

- Strong knowledge on working with GraphQL schema, queries and mutations to interact with Mongo DB and several other data layers.

- Good experience in J2EE Testing in developing test cases with JUnit, Mockito for Unit testing, and logging using Log4j.

- Knowledge of Docker containers utilization.

- Experienced in core spring boot, Jenkins, Golang Logging - Grafana, Prometheus Java development with good hands-on in writing /analyzing SQL, backend Java Development, NestJS AWS Serverless Lambda, Node JS, S3, DynamoDB, Cloud Watch writing stored procedures, triggers, functions.

- Set up and maintained Logging and Monitoring subsystems using Grafana.

- Full Stack Modern Progressive Web Apps - ReactJS, Redux, GraphQL.

- Understanding of Node.js role in Microservices architectures and containerization with Docker and Kubernetes.

- Expertise in building Templates, Mockups, Prototypes and Layouts using Bootstrap and jQuery plugins.

- Extensive Knowledge in all core java concepts like OOPs, Collections, Error Handling, Multithreading and Concurrency.

- Good knowledge on working with Apollo client to interact with GraphQL server.

- Experienced in with AWS Cloud - EC2, EBS, s3 bucket, Lambda function, Docker, ELK, and Auto scaling and databases such as NoSQL like (MongoDB) RDS, VPC, Route53 and MS SQL Server Cloud Watch, Cloud Trail, Cloud Formation, IAM.

- Independently integrate multiple APIs and new features using React + GraphQL stack.

- Extensive experience in developing scalable, reliable and efficient enterprise applications using Java, Spring, Struts, Web Services, RESTful, JSF, JDBC, JSP, Servlets, EJB, JMS, XML, JAXB, PL/SQL, Unix scripting.

- Experienced working with common Internet technologies (e.g., MySQL, CSS/CSS3, HTML/HTML5, JavaScript, jQuery, AJAX).

- Using Kotlin for implementing new modules in the application.

- Designing and developing Micro services architecture applications and experience in handling messaging services using Apache Kafka
- Experienced on object-oriented programming language, and commitment to driving front end frameworks (i.e., MVC)
- Have knowledge on Kotlin Android Extensions framework.
- Extensive experience with the Golang language and integrating various stacks including Java, Javascript, Ajax, jQuery, AngularJS, ReactJS, NodeJS, Angular, Bootstrap, JSON, XML and Python.
- Worked on an agile team of developers focused on delivering a web application written in angular.js and node js.
- Experienced in Apache Spark for implementing advanced procedures like text analytics and processing using the in-memory computing capabilities written in Scala.
- Worked to develop fully responsive front-end features using angular directives, controllers, factories, and services.
- Experienced in developing Restful API endpoints in Spring boot framework using micro services architecture.
- Strong experience in Scrum Methodologies, UML and Test-Driven Methodologies and MVC based frameworks like spring, Struts, Hibernate and Remote Access VPN.
- Expertise in Servlets, JSP's, Struts, spring, Hibernate, JDBC, JPA, Java, JNDI, JMS, SQL, PL-SQL.
- Extensive experience in working over Web Services with WSDL, SOAP, RESTFUL, UDDI and Apache axis.
- Knowledge using Test Driven Development approaches (TDD, BDD, ATDD) and Web pack.
- Extensive experience using Struts 1.x, spring, Hibernate, Servlets, JSP, JSF, EKS, ELK, Gradle, Quartz.
- Designed and developed the application using Java Server Faces (JSF) and Spring web flow.
- Strong front-end UI development skills using scripting languages like JSP, AJAX, HTML, DHTML, JavaScript, AngularJS, BackboneJS, jQuery, DOM, CSS and Building Reusable Components.
- Experienced in making use of CSS3 features & CSS Frameworks and to implement Responsive Web Design
- Experience with shell scripting and working with Linux and Unix based systems.
- Experienced in working with IDE's like Eclipse, My Eclipse, Sublime and Net Beans.
- Hands on experience in JavaScript, UNIX Shell Scripting, Apache/IIS, Ant/Maven Scripts and Log4J.
- Experience with Java 2/11, Java3/4 Enterprise (J2EE) stack, Core Java, Multithreading, spring, Hibernate.
- Involved in Unit Test Cases writing and having good knowledge in JUnit.
- Experience in creating event processing data pipelines using Apache Kafka and Apache Storm.
- Experience on different OS like UNIX, Linux, and Windows operating systems.
- Experience in AWS cloud technologies (GCP, Azure).
- Implemented REST services by Golang with micro services architecture.

- Knowledge in importing data from various sources to the Cassandra cluster using Java API's.
- Expertise in Performance improvement and Production support for live Applications.
- Excellent skills in programming using wide variety of languages and ability to adapt new latest technologies & work in multi-platform environment.

Technical Skills:

Languages	Core Java, J2EE, SQL, Scala, UML, C#, Apache Solr, Java 3/4/7/8
Big Data framework	Apache Hadoop, SPARK, HDFS, Map Reduce, PIG, Hive, Sqoop, Flume, Hase and S
Web Technologies	JSON, JSP, Servlets, GWT, JNDI, JDBC, JMS, Web Services, Web sockets, SOAP, REST, Node JS, React JS, WSDL, JAX-RS, JSX-WS, HTML 5, CSS 3, GraphQL, JavaScript, Angular JS, React JS, AJAX.
XML Technologies.	XML, XSL, XSLT, DOM, AXIS, XML Beans and JAXB
Web/App. Servers	Apache Tomcat 5.0/6.0/8.0, Web Logic 10.3/12C, Web sphere 7.0, Web Sphere Application Server 8.0 & RAD 8.5, Kafka, JBoss
Tools	TOAD, Ant, PL/SQL Developer, JUnit, JMock, Rally, JIRA, Agile, Waterfall.
Operating systems	Windows, UNIX, Linux, Sun Solaris.
Databases	Oracle, DB2, My SQL, MS SQL.
Design Patterns	MVC, Singleton, Service Locator, Session Facade, DTO, DAO, Factory Pattern.
Frameworks	Struts, CSS Frameworks, Node JS, Spring (Dependency Injection, Spring MVC, Spring Core, Spring DAO, Spring IOC, Spring Boot, Spring JDBC, Mockito, Hibernate, IBatis/Mybatis, DWR, Log4j.
Version Control	SVN, GitHub, Bitbucket, Eclipse, My Eclipse.
Micro services	Spring Boot, Swagger.

Work Experience:

Client: Amazon Web Services, Arlington, VA

Role: Sr. Java/AWS Developer   June 2022 –

Till date

Responsibilities:

- Responsible for checking cross browser compatibility issues and hence worked on different browsers like Google chrome, Internet explorer, Firefox and safari.
- Worked on the Carbon Footprint Tool (Professional Technician System) that is developed using Java, JavaScript, python, Amazon CDK.
- Used Docker container to containerize the microservices to AWS Cloud server.

- Involved in Microservices based application development using Visual Studio 2019, .Net 5.0, Angular 12, C#, Entity Framework.
- Deployed the Zero Down Deployment using Kubernetes orchestration service application.
- Implemented an express-graphql library to mount a GraphQL API server on the user-configured HTTP endpoint.
- Working with the monitoring tools like Grafana for kafka streams and Prometheus for the MongoDB.
- Experience in writing unit tests using JUnit and Mockito.
- Integrated Java/J2EE application with EDIFECS Systems.
- Used Docker Container to address every application across the hybrid cloud and Docker for better collaboration and innovation.
- Used Apache Kafka confluent distribution both as a traditional messaging message and stream platform.
- Worked on Kubernetes cluster as a part of deployment activity. Familiar with Open Shift commands mainly for deployment.
- Developed validation rules for both inbound and outbound transactions in Edifecs.
- Worked in designing, developing, testing and deploying environments in Perl Mapping, EDI transactions.
- Developed web application using MongoDB, Express, React/Redux, Node JS and GraphQL.
- Worked on Docker container implementation for the Enterprise build system.
- Established infrastructure and service monitoring using Grafana for analysis and visualization.
- Interacted with GraphQL server by writing mutations and queries by using the Apollo Client.
- Resolved browser compatibility issues to make sure the tool works properly on all browsers.
- Worked on the Kotlin for building the backend components and API resources, experience working on JsonAPI for creating multiple API's.
- Implemented a recursive algorithm to parse large GraphQL introspection queries into a dotfile format in order to visualize the one-to-many relations between schemas in a SVG format.
- Worked on Carbon Footprint Tool which helps to calculate the amount of carbon usage as per the customer.
- Help and validate to lower the level of Carbon Usage in AWS.
- Developed and implemented software applications and systems using various tools and technologies including GoLang, AWS, Docker, and Cassandra.
- Worked on Front end by using JavaScript.
- Developed test cases for unit testing in the integration layer using Mockito and Cucumber.
- Implemented Java 8 features like Lambda expressions, Streams, filters, pipelines, Optional Interfaces used Apache Kafka as the messaging infrastructure for asynchronous processing.
- Implemented design patterns in Scala for the application.
- Implemented solutions using Hadoop, Apache Spark, Spark Streaming, Spark SQL, HBase and Scala.

- Used AJAX, DOJO, Java script, Spring and GWT to create interactive user interface.
- Created and deployed Dashboard for this tool to calculate the 4xx and 5xx error.
- Used Kubernetes as an orchestration tool to manage the Docker container to facilitate the management and deployment of the containers in distributed architecture.
- Developed GoLang Microservices and converted the user stories into backend logic in service classes.
- Worked on Customer ticket, which was causing alarm, need to set the maximum retry attempts for the failed retry able requests using the Chameleon Component Exception.
- Written highly referenced blog posts on Error Handling in Scala and Problems Scala Fixes.
- Used GitHub as a code repository to pull and push code into IntelliJ which is used as a code editor.
- Participated in the designing meetings and code review sessions and written few Design documents in the implementation of the new project's improvements.
- Worked in away team to help with the emergency deployments.
- Development of Data Metering Service into new Amazon Dedicated Cloud (ADC) Regions.
- Developed a logic to switch between the Odin and mms key.
- Created Use cases, ER diagrams and user flow control.
- Involved in daily SCRUM meetings to keep track of the project status.
- Created the Deployment Manifest file (YAML) for deploying Spring Boot application Kubernetes Engine.
- Extensively used GIT for version controlling and regularly pushed the code to GitHub.
- Expertise in building Templates, Mockups, Prototypes and Layouts using Bootstrap and jQuery plugins. EDI standards and protocols, particularly X12 and 834 transactions. You should be able to demonstrate your experience with EDI development, particularly with X12 and 834 transactions.
- Write Test cases, Test Methods and Unit Tests for testing each functionality and each module separately and the application.
- Assigned as an Onboarding Buddy to support my peer with their work and also on-call for all the applications in our team.
- Worked with Business Analysts for requirement gathering and requirement analysis.
- Developed Unit tests using Junit, Perl, Mockito and involved in functional and integration testing.

Environment: Java 8.0, Amazon Web Services (AWS), Kubernetes, Grafana, Kotlin, Mockito, GraphQL, Spring Boot, Perl, EDI, IntelliJ, Junit, Maven, Jenkins, NPM 3.8.6, Edifecs, Node JS, XML, Bootstrap, Express.JS, React JS, Flexible framework.

Client: TIAA, Charlotte, NC

Role: Java/J2EE Developer   Feb 2021 – May 2022

Responsibilities:

- Involved in all the phases of Software Development Life Cycle (SDLC) including Requirements gathering, Designing, Programming, Testing and Documentation of various projects.

- Created GraphQL schema and queries to interact with Mongo DB database.
- Involved in SCRUM and AGILE meetings to discuss the status of the project to produce quality deliverables.
- Develop the UI Components architecture for the developer framework using ReactJS, EDI, Typescript, HTML 5, CSS3 and Bootstrap.
- Research and development on both Gentran and Edifecs security administration.
- Developed data dictionaries for both inbound and outbound transactions in Edifecs.
- Wrote Terraform scripts to deploy apps to Kubernetes engine.
- Worked on Kubernetes cluster as a part of deployment activity. Familiar with Open Shift commands mainly for deployment.
- Involved in Analysis and, Logging -, Java Script, API, Grafana, Prometheus design phased. Prepared analysis and design documents as per the client & requirement and Jenkins got reviewed spring boot and approved by client.
- Worked on Deployment Automation of all micro services to pull image from Private Docker registry and deploy to Kubernetes Cluster.
- Tested the application by performing unit and integration testing by Junit, Mockito and Wire Mock.
- Involved in design and development of GraphQL and services to interact with data storage layer.
- Knowledge on Kotlin language and writing the code in Kotlin using android studio.
- Experience in creating new API using Golang and Docker.
- Responsible for Spark Streaming configuration based on type of Input Source Developing business logic using Scala. Developing traits and case classes etc in Scala.
- Experience writing data APIs and multi-server applications to meet product needs in GoLang.
- Developed the RESTful API's using Spring Boot and deployed them to multiple environments using the CI/CD pipeline.
- Built data pipeline using Pig and Java/Scala Map Reduce to store onto HDFS.
- Responsible to make sure that look and feel of the UI designs works same in different versions of different browsers (IE 7/8, Firefox, Safari).
- Used ReactJS to implement rich functions in various pages: form validation, crud, grid list, search, sort, pagination, multi-selection, tags-input, advanced/custom directives, authentication, unit tests, etc.
- Created custom filter in React.JS in the application.
- Designed and implemented web-based applications using J2EE, Java, POJO, REST, and JDBC.
- Responsible for the operation, maintenance and integrity of a distributed networked Linux/AIX environment.
- Designed and documented REST/HTTP API's, including JSON data formats and API versioning strategy.
- Implemented the project using Web Services, WSDL, UDDI, and SOAP to communicate with other systems by using Apache Axis and involved in Micro Services development.

- Hive external tables are created mapped to the data stored in the HDFS and Hive tables are accessed using Spark SQL.
- Participated in SOLR schema and ingested data into SOLR for data indexing, identifying and recovering lost data
- Integrated Java search UI (AngularJS) and utilized extension library using SOLR (created Schemas, Collections, Queries)
- Involved in the implementation of DAO using Spring-Hibernate ORM and Spring Integration and converted a monolithic app to micro services architecture using Spring Boot.
- Used J2EE design patterns like Value Object Pattern, Business Delegate, service locator, and session façade, Singleton, Factory and DAO.
- Installed and configured Apache on Linux and Solaris and configured Virtual hosts and applied SSL certificates.
- Used services to read data from remote server using ReactJS
- Used React.JS library functions for the logical implementation part at client side for all the application.
- Created ReactJS for reusable components (multi-field form elements, background file uploads).
- Maintained states in the stores and dispatched the actions using redux.
- Developed various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager) and redux library.
- Architected and Developed for Large Scale JavaScript Application with ReactJS.
- Created React JS components using JSX, EDI transaction, followed FLUX design pattern for unidirectional data flow.
- Involved in Developing, Implementing and Testing Node.JS, Perl applications.
- Extensive experience in deploying, managing and developing MongoDB clusters.
- Involved in developing Tables, Stored Procedures, Triggers, Indexes and Functions SQL Server and cross platform Validation and Exception Handling policies.
- Worked on creating React generic components to sort the history of various customers through order of year, month and date
- Validated forms using ReactJS and regular expression there by providing client side validation and server validation
- Maintain consistency of front-end via code over variety of browsers.
- Involved in EDI, SCRUM and AGILE meetings to discuss the status of the project.
- Integration with Rich Relevance/CDN/CMS/Optimize.
- Extensively Used GitHub, Perl for Version Controlling and used Docker to containerize the service and APIs to run in EC2 instances.
- Used Firebug and IE Tester debugging tools to fix the issues.
- On daily basis interacted with Business Analysts and Scrum master's to fix the issues.
- Involved in System Testing, Regression Testing for Complete UI.

Environment: React.js, Node.JS, Express JS, Grafana, Mockito, JavaScript, Kotlin, GraphQL, HTML5, Perl, CSS3, jQuery, JSON, Bootstrap, AJAX, EDI Core Java, Edifecs, MVS, WebDriver, GIT, Agile development, AWS, Swagger, Junit, Mockito, Bootstrap.

Client: MetLife, Hyderabad, India

Role: Java Full Stack Developer   May 2017 – Sep 2020

Responsibilities:

- Responsible for all stages Design, Development and deployment of applications.
- Designed dynamic web pages using HTML/HTML5, EDI ,CSS/CSS3, jQuery, EDI transactions ,Bootstrap, JavaScript and Angular
- Worked on Dockers container implementation for Enterprise build system, Dockers container management along with volumes, container-based DB and services, Dockers Art Factory, and setup.
- Developed the application using HTML5, SCSS, React JS, PHP, and JavaScript.
- Used React Http Request to read data from web servers and process JSON data to render in the UI.
- Worked on an Angular based Website using Express.Js and No SQL Database allows users to register for the sports events across the University.
- Used spring container for data source and to load the Hibernate specific classes.
- Involve in Agile software development life cycle (SDLC) with SCRUM methodology.
- Designed front-end presentation logic using JSP, HTML5, CSS3 and Strut tags.
- Worked as Full Stack Developer covering all layers' front end, middle tier and Back end.
- Involve with cedar team-Heroku for critical production applications written in Go.
- Used JavaScript, jQuery, AngularJS and Angular, Node JS and AJAX technologies for front end user input validations and Restful web service calls.
- Used jQuery and JSF validation framework for front end validations and providing oversight and assurance that validation documentation meets FDA regulatory.
- Implemented Singleton, Service Locator design patterns in MVC framework and developed command, delegate, model action script classes to interact with the backend.
- Experience in build and release management, build and migration Devops tools like Eclipse, Ant, Jenkins, GitHub and other relevant tools for continuous Integration and Hybrid Mobile Development (iOS, Android, etc.).
- Developed the RESTful API's using Spring Boot and deployed them to multiple environments using the CI/CD pipeline.
- Build the application using TDD (Test Driven Development) approach.
- 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 an application using HTML5, CSS3 in a Test-Driven Development (TTD) Environment.
- Worked on the different type of Event pages, category pages which included concessions on handling tickets and all other features of the event page.
- Designed a website to create new user interfaces where users, players and owners can get access to read, write and analyze the event participants and spectators for the sports tournament.
- Included the rsvp feature to this project which helps us to calculate the number of people attending the event virtually or in-person. This helps the concession team.
- Worked with Jest unit test framework to write unit tests for JavaScript code.
- Followed Agile software development practice paired programming.
- Regular interaction of RESTFUL API design calls to populate UI on the application using the get, put, post and delete.
- Followed Agile software development practice paired programming, test driven development TTD and
- Scrum status meetings.
- Developed fully functional responsive modules based on business requirements using jQuery and React js.
- Experience working with GITHUB as a version control tool.
- Worked in using React JS components, Forms, Events, Keys, Router, and Animations.

Environment: HTML5, CSS3, JavaScript, Bootstrap 3, JSON, EDI X12 , EDI, AJAX, Perl ,NodeJS, ReactJS, GIT, REST & SOAP (web services).

Client: HDFC Bank   Bangalore, India

Role: Java Developer   Nov 2013– May 2017

Responsibilities:

- Developed the application using HTML5, SASS, React JS, Node JS.
- Used JavaScript and React to make dropdown menus on web pages and displayed part of a web page upon user request.
- Used Node.js for hosting as well as running a web server for a React Application.
- Coding, testing of reusable JavaScript, CSS3, HTML5 libraries for complex UI controls.
- Implemented Spring JMS message container listener to retrieve log objects from queue and send different destinations.
- Performed Real time event processing of data from multiple servers in the organization using Apache Storm by integrating with Apache Kafka.
- Experience using NPM, NPM scripts to install and manage different packages.
- Experience in using GIT/GIT-HUB, EDI transactions as a Version Control Tools.
- Supporting application engine programs and validating the Business unit as per the client requirement
- Implementation, upgrade of PeopleSoft applications and working on impact analysis

- Built Web pages that are more user-interactive using jQuery plug-ins for Drag and Drop, AutoComplete.

- Followed agile software development practice paired programming, test driven development TTD and Scrum status meetings.

- Produced content pages with SASS and style markup presentations by using JavaScript methods and properties.

- Experience in working with Relational Databases for storing the data and also retrieving the data from database.

- Develop UI Components and critical functionalities using JavaScript.

- Developed an online Management System for the medical center which helps retrieve the information of the patient from the database easily rather than manual dependent.

- Responsible for all client-side UI Validation and implementing Business logic based on user selection.

- User interfaces for all users are graphical user interfaces (GUI). These GUI could be both web based and desktop based which is connect to the medical central terminal. The user interfaces are pretty simple and straight-forward.

- All the records has been made computerized and maintaining patients diagnosis details tests, medical records, insurances keeps the track of every record.

- Created dynamic HTML pages, used JavaScript for client-side validations.

- Work on Browser Compatibility and test every web application on popular web browsers such as Internet Explorer, Firefox, Safari, Opera and Chrome.

Environment: HTML, CSS3, JavaScript1.2, jQuery, AJAX, JIRA,EDI, Responsive Web Design, Bootstrap, JSON, DOM Flex, Web 3.0, W3C, agile and Windows8.

Deepthi Mellam

- Arlington, VA, US

Contact Information

- vem-0zo-pqn@mail.dice.com

- 7036340268

Work History

Total Work Experience: 11 years

- **Sr. Java/AWS Developer Amazon Web Services**
  Jun 01, 2022

- **Java/J2ee Developer TIAA**
  Feb 01, 2021

- **Java Full Stack Developer Metlife**
  May 01, 2017

- **Java Developer HDFC Bank**
  Nov 01, 2013

Skills

- **bootstrap** - 10 years
- **edi** - 10 years
- **git** - 10 years
- **java** - 10 years
- **javascript** - 10 years
- **jquery** - 10 years
- **scrum** - 10 years
- **software** - 10 years
- **interfaces** - 8 years

- **agile** - 8 years
- **css** - 8 years
- **html5** - 8 years
- **json** - 8 years
- **node.js** - 8 years
- **programming** - 8 years
- **verification and validation** - 8 years
- **sass** - 7 years
- **test-driven development** - 7 years

Work Preferences

- Desired Work Settings: Remote or On-Site or Hybrid
- Likely to Switch: True
- Willing to Relocate: True
- Travel Preference: 25%
- Preferred Location:
  - Arlington, VA, US
  - Maryland City, MD, US
  - Washington, DC, US
- Work Authorization:
  - US
- Work Documents:
  - Have H1 Visa
- Desired Hourly Rate: 65+ (USD)
- Security Clearance: False
- Third Party: True
- Employment Type:
  - Contract - Corp-to-Corp

Profile Sources

- Dice:
  https://www.dice.com/employer/talent/profile/88afe159da4d1f2d5bc49123ca80c079