**KARTHIK**

**Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Around 8 years of IT experience in all phases of Software Development Life Cycle which includes Analysis, Design, Development, Testing and Maintenance using Java/J2EE technologies.
* Expertise in working with Agile and Waterfall methodology environments.
* Extensive experience in developing user interface using HTML5, CSS3, JavaScript, JQuery, Ajax, Bootstrap, AngularJS.
* Experience with Java 1.8 features such as Lambda Expressions for making anonymous inline function calls by using functional Interfaces which makes code readable and concise.
* Worked with Java 1.8 features such as Streams API and parallel Streams API for enabling parallel processing of collections in distributed environment.
* Sound skill in Swing MVC architecture design patterns and multi-threading
* Sound knowledge of several DESIGN PATTERNS like Singleton, Factory and ASP.NET MVC.
* Having experience with Cloud Computing Service environment like Amazon Web Services (AWS) and managed EC2, S3 bucket, Virtual Private Cloud (VPC) through AWS Console and API Integration.
* Experience in understanding and implementing of Microservices in client-server business applications.
* Expert in building Microservices applications using Spring Boot for developing RESTful web services.
* Experience in implementing client-server business applications using MVC and SOA architecture.
* Expert in Core Java and implemented concepts like Multithreading, Concurrency, Exception Handling, File handling, IO, Generics, Swings and collections in various projects.
* Expertise in Core Java and J2EE Technologies, including JSPs, Servlets, Java Mail, EJB transaction implementation (CMP, BMP, Message-Driven Beans), JMS, Java Beans, JDBC, JNDI.
* Expertise in XML technologies such as XSL, XSLT, XML schemas, XPath, XQuery.
* Experience in developing server-side code with good knowledge of enterprise and persistence design patterns like Singleton, Factory, Business Delegate, Service locator, Visitor, Observer, Decorator, Front Controller, Data Access Object and MVC.
* Extensive experience on backend frameworks like Spring, Hibernate and JSF.
* Expert in implementing Spring modules such as Spring IOC, Spring MVC, Spring AOP, Spring JDBC, Spring DAO and Spring ORM.
* Experience in working with ORM frameworks like Hibernate, JPA (Java Persistence API) and APIs such as JDO (Java Data Objects).
* Developing inter-operable Web Services and its related technologies like SOAP, Restful, XML, JAX-WS, JAXB, JAX-RPC using tools like Apache Axis.
* Strong skills in RDBMS implementation and development using SQL Server, Oracle, IBM DB2, MYSQL and experience in working with SQL, PL/SQL programming languages.
* Hands on experience on NoSQL databases like MongoDB, Dynamo DB databases.
* Experience in using build tools like Gradle, ANT, MAVEN for the development of build artifacts on the source code and log4J framework for logging details.
* Experience in developing applications on Windows, UNIX, Linux and Mac platforms.
* Highly experience with Java complaint IDE’s like Spring Tool Suite, Eclipse, IntelliJ and RAD.
* Experience in software configuration management using Subversion (SVN), Git, Source Tree as versioning software tools.
* Experience in working with continuous integration tools like Jenkins and bug tracking tool Jira.
* Experience in using web app servers like IBM Web Sphere, Web Logic, Apache Tomcat, Jetty and JBOSS Servers.
* Migrated of classis ASP applications to ASP.Net and C#, MS Access to SQL Server.
* Expertise in SQL, PL/SQL programming. RDBMS experience includes Oracle, MS SQL and MySQL.
* Experienced with Middleware Technology Messaging Brokers like JMS and Active MQ in SOA(Service-oriented) Architecture.
* Experience in writing shell scripting for deployment process and expertise in sharing files between Linux boxes and windows using the WinSCP, secure FTP, SCP client for Microsoft Windows.
* Experience in developing test cases based on test first or Test-Driven Methodology using JUnit, JMeter, Mockito.

**TECHNICAL SKILLS:**

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| **J2EE Technologies** | **EJB, Servlets, JSP, JDBC, JNDI.** |
| **Web Technologies** | **HTML5, CSS5, XML, JQuery, Java Script, Angular JS, JSF, Node.js, React JS.** |
| **Markup Languages** | **XML, JSON, HTML5, CSS3, Bootstrap.** |
| **Version Control** | **GIT, SVN.** |
| **Databases** | **Oracle 11g-12c, MySQL, DB2, Mongo DB, Firebase, Oracle PL/SQL Apache Cassandra, Hadoop.** |
| **Tools & IDE** | **Eclipse IDE, IntelliJ, Visual Studio and Spring Tool Suite (STS).** |
| **Web/Application**  **Servers** | **Apache Tomcat, WebLogic, WebSphere, Jboss Fuse and Glassfish.** |
| **Design Patterns** | **Dependency Injection, MVC, Singleton, Builder, Adaptor, Factory, Gate Way, Facade, MVP.** |
| **Build/Deploy tool** | **Maven, Docker, Gradle, Azure.** |
| **Methodologies** | **Agile, Waterfall.** |
| **Java Frameworks** | **SpringBoot 1.x, Spring 3.x, Hibernate 3.x, Struts 2.** |
| **Testing** | **Junit, ALM, ETL, TestNG.** |
| **Web Services** | **Apigee and RESTful Web Services, SOAP Web Services -JAX- WS-API** |
| **Operating System** | **Windows, UNIX, Mac OS X, Ubuntu, Linux.** |

**PROFESSIONAL EXPERIENCE:**

**CVS, Texas Sep 2022 - Present**

**Sr Java Developer**

**Responsibilities:**

* Used JSON/XMl to transfer the resources in REST APIs.
* Used rest service layer with dependency wiring, transaction, DAO and annotations.
* Lead the development of a robust customer relationship management (CRM) system using .NET , resulting in a 30% improvement in user efficiency.
* Strong experience in Swing and Core Java development.
* Architected and designed the new XML driven Java Swing based GUI that the end users will use.
* Superior proficiency in AWT JBoss Hibernate SWT and Java Swing.
* Designed and coded the XML parser to create the initial setup for the entire Java SWING GUI.
* Implemented secure authentication and authorization mechanisms using .NET Identity, ensuring a high level of data protection.
* Developed Microservices with Spring boot and Spring Batch along with the test cases.
* Created various spring boot and Spring batch applications to connect them to various databases and created queries to retrieve data and modify the tables for the databases.
* Installed, secured, and configured AWS cloud servers and Amazon AWS virtual servers (Linux) and used Spring Cloud for AWS.
* Responsible for providing estimates for PaaS migration of all the components.
* Developed the monolithic application and involved in migrating existing monolithic application in to MicroService Architecture based RESTful Service and deployments were done on AWS using Spring Cloud for AWS.
* Enabling Siteminder security for all the application.
* Making Postgres DB connection for storing and retrieving data for Node JS webapps.
* Implementing gatekeeper toggle On/ OFF &amp; percentage based functionality for Node JS apps
* Used Kubernetes Linux container for deploying and scaling containerized applications.
* Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor application.
* Implementing the best practices and maintain coding standards for the project.
* Used Spring Boot which is radically faster in building cloud MicroServices and develop Spring based application with very less configuration.
* Developing the detailed technical design structure after understanding the requirements and the design.
* Integrating CI/CD tools for easy deployment such as Git, Jenkins, Docker and Kubernetes.
* Determining project requirements, developing work schedules and performing troubleshooting as required.
* Participate and provide input for PaaS migration strategy.
* Integration of Amazon Web Services (AWS) with other applications infrastructure.
* Delegating tasks and achieving daily, weekly, and monthly goals.
* Being transparent with the team about challenges, failures, and successes.
* Used Spring Boot which is radically faster in building cloud MicroServices and develop Spring based application with very less configuration.
* Hands-on experience with Continuous Integration and Continuous deployment using the tools Jenkins, Kubernetes, Git and Docker.
* Expertise in SQL, PL/SQL programming. RDBMS experience includes Oracle, MS SQL and MySQL.
* Web application development for frontend system using AngularJS with HTML5 and CSS3 techniques.
* Development of Entity classes as per the device level data and transactional level data and establishment of relationships between them using Annotations.

**Environment:** Agile methodology, Java 1.8, J2EE, HTML5, CSS3, JavaScript, jQuery, AJAX, AngularJS, Hibernate, Spring, XML, JSP, JAX-RS, Spring AOP, Spring Security, Oracle, MongoDB, Cassandra, JSP.

**Lululemon, WA May 2021 – Aug 2022**

**Sr. Developer**

**Responsibilities:**

* Met the stakeholders for requirement gathering and understanding the ongoing process for reports.
* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, and testing.
* Designed and coded the various components of the Ul to gather relevant information from the parsed XML file to create the initial layout of the screen with the various swing components.
* Developed client slide components utilizing Java Swing framework.
* Developed the Monitoring and commanding capability in the Java Swing Ul using the common Swing.
* Developed the view-controller components using JSPs, HTML5, CSS3, AJAX, JavaScript (jQuery).
* Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in AngularJS.
* Developed and maintained scalable web applications using C# and .NET, reducing page load times by 20% through optimization techniques.
* Designed and implemented an inventory management system using .NET MVC and Entity Framework, reducing manual errors.
* Experience writing RESTful APIs and middle tier coding in Node.js, Java, and Python.
* Hands-on experience in developing integration with Elastic search in any of the programming languages like JAVA and JavaScript. Having knowledge of advance reporting using Elastic search and NodeJS.
* Implemented core features of AngularJS framework such as dependency Injection, Databinding, Filters, Directives, Templates, Services and Deep Linking Designing.
* Used Java 1.8 features like stream and Lambda expressions.
* Maintained Interface compatibility and concurrency in the project using Java 1.8 new features like default, static methods and Concurrency API.
* Developed the monolithic application and involved in migrating existing monolithic application in to MicroService Architecture based RESTful Service and deployments were done on AWS using Spring Cloud for AWS.
* Designed and developed Micro Services business components using Spring Boot.
* Responsible for creating an instance on Amazon EC2 (AWS), Pivotal Cloud Foundry and deployed the application on it. Involved in the development of Microservices for all the models using combination of SpringBoot and Spring Security.
* Installed, secured, and configured AWS cloud servers and Amazon AWS virtual servers (Linux) and used Spring Cloud for AWS.
* Worked on AWS services to deploy static websites and dynamic Web Apps on EC2 using Elastic Beanstalk and Elastic Container Service-Docker.
* Developed a web application by using React JS and Angular 5 as front-end, and using Web API to receive and pass data to backend (python).
* Involved in creating EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Developed API’s to read and publish data from Elastic Search cluster using native Java Transport client as well as REST client. Worked on Spring Integration with the Elastic Search.
* Used Spring MVC framework for implementing Model-View- Controller (MVC) architecture at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced, and maintenance will be very easy.
* Used Spring AOP for solving crosscutting concerns like keeping logged data and transactions details etc.
* Used Spring Batch for processing large amount of data like transaction management, job processing, resource management and logging.
* Secured the API by implementing OAuth 2.0 token-based authentication/authorization scheme using Spring Security.
* Designed and developed third-party Payment services to Offer Users Convenient Payment Methods based on OAuth Protocol.
* Used Hibernate ORM framework as persistence engine and wrote Hibernate Queries to automate the mapping between Oracle database and Objects in Java.
* Involved in writing SQL and Stored Procedures for handling complex queries with help of TOAD and access them through Java Programs from Oracle Database.
* Worked with MongoDB to store non-relational data into collection and retrieve them whenever required.
* Used WebLogic server to route our JMS queue messages to different business floors and configured routes in WebLogic and used JMS in e-mail notification.
* Worked on setting up Maven scripts to build, package, and deploy application code to the target WebLogic Application Servers and worked on continuous integration servers like Jenkins.
* Hands on Coding to build REST Micro Services using Spring Cloud, Oracle, XSD, JSON, Spring Config, and Jenkins.

**Environment:** Docker, JMS, GIT, JIRA, PL/SQL, STS, JUnit, Log4J, Maven, Jenkins, WebLogic Application Server, Azure, EC2, S3, RDS, SQS and PCF.

**Petco, CA Oct 2018 – Apr 2021**

**Java Developer**

**Responsibilities**

* Involved in development, troubleshooting and debugging of a Pointy application.
* Worked on migrating the application from 10g to 12c and migrated the application.
  + Resolved all int/UAT/production issues by debugging the endpoints.
  + Changed authentication and validation from session Cookie OAM 10g based which expires to OAM 11g by consuming the restful APIs and making the authentication and validation session Token based which did not expire.
  + Developed NET library project using C# and provides middle layer components with HTT Module and will be distributed to all DIIT developers via MSI package with full blown MSDN style help document using NDOC 1.3
  + Worked in Agile environment with active scrum participation.
  + Developed workflows to support different kind of referral requests using Java on backend.
  + Followed Agile methodology, involved in various phases of software development lifecycle.
  + Assembled an RCP to create an elegant, client-side interface for business applications.
  + Implemented REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
  + Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in AngularJS.
  + Have experience with Cloud Computing Service environment like Amazon Web Services (AWS) and managed EC2, S3 bucket, Virtual Private Cloud (VPC) through AWS Console and API Integration.
  + Developed Microservices using Spring Boot and followed domain driven design.
  + Utilized tools in N-tier and Microservices architecture applications using Spring Boot, Spring Cloud Config, Pivotal Cloud Foundry, AWS, Kafka, Restful Web Services.
  + Used Angular 2, HTML, JavaScript, Bootstrap, JQuery, JSF (Rich Faces/Prime Faces) programming for creating GUI interface of the web page and to get AJAX functionality for the website.
  + Worked with Amazon AWS/EC2, and Google Docker based cluster management environment.
  + Integrated independent software components, where most of the data processing occurs on the client side using RCP (Rich Client Platform), SWT.
  + Designed WSDL and elaborated type definitions schemas based on corporate standards, integration and security specifications
  + Wrote DAO classes in persistence layer using Spring and Hibernate for DB interactions. Having Good Knowledge in Core Java concepts including asynchronous programming, multithreading, collections and a few design patterns.
  + Web application development for frontend system using AngularJS with cutting edge HTML5 and CSS3 techniques.
  + Created Angular 2.0 controllers, services and used Angular filters for filter functionality in search box and integrator functionalities.
* Developed Angular Http Services which are responsible to return JSON object which are compatible with all mobile, web, mobile web and tablet platforms which also serves the mobile apps later which can be consumed by the mobile apps irrespective of the API availability.
* Extensively involved in developing SammyJS Routes to create Single Page Application (SPA) and developed EJS templates to render HTML views.
  + Implemented RESTful Web services in Service Oriented Architecture (SOA) to retrieve data from client side and made REST API calls from Angular 2 and parsed the data to client.
  + Developed Java Classes for implementation of Persistence of objects and Caching of Data using Hibernate.
  + Developed the front-end using Eclipse RCP/Java SWT involving UI design user generated event handling incorporation of underlying functionalities as per the laid down.
* Worked on Jasper Reports creating domain, views of adhoc reports, and joins for creating report of new functionality called as AAG.
* Developed the web interface using HTML5, CSS3, JavaScript, jQuery, SammyJS, EJS, and Bootstrap 3.
* Involved in Requirements gathering, Analysis, Design, Development and Testing of application using AGILE methodology.
* Configured Eclipse Link JPA with MongoDB 3.x and JAXB to serialize and deserialize java objects.
* Utilized AWS Cloud Watch to monitor the performance environment instances for operational and performance metrics during load testing.
  + Implemented Log4J API for logging to a file with trigger policy based on size and time.
  + Development of Entity classes as per the device level data and transactional level data and establishment of relationships between them using Annotations.
  + Implemented the XML Parsing logic in the class level using JAXB for marshalling and unmarshalling as per the XSD Schema.
  + Involved in development, troubleshooting and debugging of a healthcare application
  + Experience defining DAO interfaces and writing Hibernate query language (HQL) queries.
  + Created complex SQL views and stored procedures to join multiple tables for contract data interface files using SQL Server.
  + Develop Procedure and Function using SQL\*Server database to migrate data to Oracle database.
  + Experience in using JUnit, Maven and Used SOAP UI and Postman REST Client tool to query HTTP/API’s and analyzed response.
* Worked on developing RESTful endpoints to cache application specific data in in-memory data clusters like REDIS and exposed them with RESTful endpoints.
* Focused on Test Driven Development there by creating detailed JUnit tests for every single piece of functionality before writing the functionality.
* Performed automation testing and authored test scripts using Selenium Web Driver, Selenium Grid and Junit.
* Worked in Agile TDD environment using SDLC tools like GIT, Jira, Jenkins, and Maven for build packaging and deployments of the application components.

**Environment:** Jira, Bamboo, Jenkins, ANT, Stash, Spring 3.0 framework, Spring MVC, JDBC, Dependency Injection, Rest/Soap Apis, Oracle, Weblogic, SourceTree, GitHub, ANT, Mockito, Easy mock, Integration, Jms, Log4j.

**Unykloud, India Jan 2017- May 2018**

**Java Developer**

**Responsibilities**

* Involved in development of a well responsive single page applications using AngularJS framework and JavaScript in conjunction with HTML5, API, CSS3 standards, with front end UI team.
* Implemented modules into AngularJS to integrate with designs and requirements and built REST web service.
* Created Typescript reusable components and services to consume REST APIs in Angular 2.0.
* Responsible for enhancing the front-end using latest HTML5 and CSS3 techniques; used css3 media queries to support all the devices, backed by jQuery and other JavaScript frameworks.
* Involved in developing code for obtaining Hibernate bean references in spring framework using Setter Dependency Injection (DI) and used Hibernate annotations to design the modeling part of the application.
* Configured the web.xml file for REST server injection to enable the REST web services by using JAXB API.
* SQLServer and performed CRUD operations to modify the data in database by using Postman IDE.
* Logically separated the core component in to several micro services
* Worked on SQL Server database concepts such as transactions, indexes, replication, and schema design.
* Involved in design, optimization and performance with relational databases such as MySQL 5.6.
* Worked on installing, AWS, configuring and deploying the application on IBM WebSphere Application Server 8.5.5.
* Configuring and consuming Web services in C#.
* Experienced in using and configuring AWS services such as EC2, etc.
* Extensively worked creating different HTML form controls using Angular 2 Reactive forms and Validations.
* Developed Angular 2 HTTP services to interact with backend Spring MVC REST services using RxJS Observable, map and catch.
* Installed, secured, and configured AWS cloud servers and Amazon AWS virtual servers (Linux) and used Spring Cloud for AWS.
* Developed reusable UI components to render view pages using Angular 2, custom Validators, Pipes and Directives.
* Implemented business tier using Spring Cloud IOC, AOP and MVC.
* Identifying appropriate AWS service based on compute, data availability, security requirements and storage.
* Responsible for the development of applications by utilizing C#
* Involved in using Core java concepts - Collections, Exception Handling, Multi-Threading, Serialization and Java 1.5 features.
* Used spring core annotations for Dependency Injection Spring DI and Spring MVC for REST API and Spring Boot.
* Used CI tool Jenkins to automate the compilation and implemented continuous delivery with Docker to run all the tests before generating war file; used SVN as versioning software tools.
* Used BDD frameworks such as Cucumber for functional testing and mocking frameworks like mockito for unit testing the java applications.

**Environment:** TDD, HTML5, CSS3, JavaScript 1.8.5, AWS, Spring 4.0 framework, micro-services, Spring boot, Hibernate 4.3, Twitter Bootstrap, Redux, DOM, Karma 1.4, Istanbul, Dependency Injection, MongoDB 2.2, MySQL 5.6, IBM WebSphere Application Server 8.5.5, SVN 1.7, Mockito 1.10, Eclipse Luna, Log4j 1.4, AWS, EC2, JIRA.

**Accenture, India Jun 2015 – Dec 2016**

**Software Developer**

**Responsibilities:**

* Implemented MVC Architecture using Apache Struts Framework, Bea Web Logic Server used as a J2EE application server.
  + - Worked on development of tender and ecommerce and hr. management portals.
* Developed Action Forms, Form Beans and Java Action Classes and templates and performed action mapping in struts-config.xml using Struts and tiles.
  + - Gathered and clarified requirements with business analyst to feed into high-level customization design, development and installation phases.
    - Rewrote client-side validation framework to incorporate new GWT widgets and components.
* Responsible for understanding the scope of the Project and Requirement gathering.
* Implemented Bean dependencies injection with spring framework.
* Involved in parsing the XML by using SAX, DOM parsers.
* Created build environment by using Maven.
* Developed International Error Correction Screens using custom front-end forms using CSS, Servlets, HTML, JavaScript and proprietary tools loading overlay with CSS animate to provide good user interface.
* Involved in development of Java, JSP, Servlets components development and deployment.
* Back-end development of enhancements and customizations to the database scripts, triggers, stored procedures.
* Wrote Unix scripts to automate purging on Voucher Server, extensively worked on Sun Solaris Unix systems.
* Swagger is used to Design new API’s.
* Maintained the application Configuration and Environmental information in various properties file.
* Involved in front end validations using JavaScript.
* Applied styles to HTML pages using external Style Sheets (CSS) files.
* Performed unit testing, system testing and integration testing.
* Used Spring Web MVC framework for the applying MVC Implementation to the web application.
* Used springs boot & JDBC and DAO layers to offer abstraction for the business from the database related code (CRUD).

**Environment:** Java (JDK 1.7), UI, JQuery, CSS, Angular JS, JavaScript, Ajax, JSON, JSP, Servlet , JDBC, Spring AOP, Spring Security, Jenkins, Spring REST, Swagger API, spring boot, R, Web Services, HTML, Hibernate, Jasper Reports.