**Sai Kaushik**

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**Denver, Co**

**PROFESSIONAL SUMMARY:**

* Around 8+ years of experience in Cross-Platform (Web & Client-Server) application development and design using **Object-Oriented Programming, Core Java, J2EE technologies**.
* Experienced working in both **Agile** and **Waterfall** based development environment and participating in **Scrum** sessions.
* Expertise in Programming with Core Java Concepts - **multithreading**, **collections** and asynchronous programming.
* Worked in Various Agile methodologies like SCRUM, Test Driven Development (TDD), Incremental and Iteration methodology, Pair Programming, Agile Development Testing using Software Development Life Cycle.
* Proficient in **Data Structures** and **Algorithms**.
* Expertise in **Microservices** development dealt with Traffic Management and scope functionality, highly proficient in designing n-tier Enterprise application with J2EE design patterns like **IOC** (Inversion of Control), **AOP** (Aspect Oriented Programming), **MVC**, **Business** **Delegate**, **Service** **Locator**, **Session** **Façade**, **DTO**, **DAO**, **Front** **Controller**, **Factory**, and **Singleton.**
* Designed and developed J2EE **MVC** applications using **Struts**, **Spring MVC** and **Spring Boot**.
* Expertise in designing, developing and deploying applications using **J2EE** technologies including Servlets, JSP, **EJB**, **JSTL**, **Struts**, **Spring**, **Spring** **Boot**, **JSF, JMS, AJAX, JDBC, JNDI, GWT Java Beans, Hibernate** and **Web Services.**
* Strong experience in Securing API's using **OAuth2.0** token-based authentication/authorization scheme using **Spring Security**.
* Expertise in several J2EE technologies like **JSP, Servlets, JavaScript, Web Services (SOAP, REST) and JSF**.
* Expertise in **Hibernate, Spring, EJB (Entity Session Message Driven Bean), Ajax, Java Beans, JNDI, JMS, Java Mail, XML,** Sockets using IDE’s like **Eclipse.**
* Experience in designing and developing middleware components for embedded systems, using **C**, **C++,** **STL**, multi-threading (POSIX), Boost libraries and design patterns.
* Hands-on experience in using Domain-driven design (**DDD**) for building and decoupling microservices.
* Expertise in Programming with **JDBC**, **EJB**, **JNDI**, **JMS**, **Servlets**, **JSP** and Custom tags using Struts framework.
* Experience Front end part of the application using **Angular.JS, Ext.JS, Backbone.JS, jQuery, Node.JS, Ajax, Bootstrap React JS Html5 and CSS**.
* Strong working knowledge of Database Programming using and maintaining **SQL**, **PL/SQL, Triggers** and Stored Procedures, **NoSQL databases MongoDB** and **Cassandra**.
* Strong working experience on **SQL Databases** like **MS SQL Server, Oracle.**
* Hands-on experience in using message brokers such as ActiveMQ, RabbitMQ and Apache Kafka.
* Expertise in writing unit test cases with **Mockito** and **JUNIT** and performed integration testing.
* Worked on various testing frameworks for front end/user interface like **Karma, Jasmine, Jest, Mocha, Chai**.
* Experience in CI CD pipelines to integrate the Java code to align with **DevOps** using **Docker**.
* Worked with Spark for improving performance and optimization of the existing **algorithms** in **Hadoop** using **Spark Context**, **Spark-SQL**, **Data Frames** and Pair RDD.
* Designed and implemented **AWS** **EC2** Server setup and deployment, build, maintenance, and configuration of various **AWS** resources like, **EC2**, **S3**, **Lambda**, **ECS**, **EBS**, Elastic Load Balancers, VPC, and IAM Security Groups that are utilized for different environments like dev, testing, Production.
* Delivered architecture designs and solutions for public, private and hybrid clouds covering the cloud architecture tiers and portfolios of cloud services **IaaS**, **PaaS**, **SaaS**.
* Hands-on experience on **improving** **the** **performance** of front-end applications by optimizing CSS performance, reducing external http requests, minification of CSS, JavaScript and HTML etc.
* Worked with many different **event-driven** and **distributed systems.**
* Hands on experience using **CSS Media Queries, Bootstrap, JSTL** specifications and developing **Responsive Web Design** pattern web pages.
* Hands-on experience using the version control tools like **SVN** and **GIT** and project management tools like **JIRA**.
* Good working knowledge of **Ant**, **Jenkins**, **Maven**, and **AWS** for project build/test/deployment, logging and JUnit for unit and integration testing.
* Hands on exposure to multiple Application Servers like **BEA Web Logic Application Server, Apache Tomcat, WebSphere and JBoss**.
* Worked with Business Process Model and Notation (**BPMN**) Systems like **JBPM**.
* Hands on Experience in integration with **JUnit**, and **Log4j** frameworks.
* Knowledge of using Routed Protocols like **FTP**, **SFTP**, **SSH**, **HTTP**, **HTTPS** and Direct connect.
* Experience with browser testing, knowledge of **cross-browser/cross-platform** compatibility.
* Excellent working knowledge and thorough exposure on compatibility issues with different versions of browsers like **Internet** **Explorer**, **Mozilla** **Firefox**, **Safari** and **Google** **Chrome**.
* Proficient in Quality Control - includes ensuring defect-free releases, maintaining correct entries in **Design** **Docs**, **UI** **specs**, **Test** **Cases**, **Traceability** **Matrix**.
* Familiarity with DB CM like **Liquibase** and **Flyway.**
* Working Knowledge in **CQRS** architecture on AWS with **DynamoDB**, **Lambda**, and **Aurora.**
* Excellent skills in programming using a wide variety of languages and the ability to adapt to new latest technologies and work in a **Multi**-**platform** environment.
* **Lead** multiple projects and mentored members of the team.

**Technical Skills:**

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| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, Python, PHP. |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka. |
| **Frameworks** | Spring, Hibernate, MEAN Stack. |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML/HTML5, XML, CSS/CSS3, Bootstrap, JSP, Ajax, NodeJS, Express, ReactJS, AngularJS, Angular 2.0 and above |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, JBoss |
| **IDE’s** | Visual Studio Code, Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Databases** | Oracle, MySQL, NoSQL, MongoDB |
| **Operating Systems** | Windows, MacOS, Unix, Linux (Ubuntu, Red Hat) |
| **Version Control** | CVS, Clear Case, SVN, GitHub, Bitbucket |
| **Methodologies** | Agile, Waterfall |
| **Others Software Skills/tools used** | MS Office, Visio, HPALM, JIRA |
| **Build Tools** | Maven, Gradle, Ant |
| **Virtualization** | VMware Workstation, Oracle VirtualBox. |

**PROFESSIONAL EXPERIENCE:**

**GE Power, Englewood, CO Oct 2019-Present**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in SDLC using **Agile** methodology.
* Addressing heavy traffic situation and migrating user-specific data off service instances and into a shared by using **Microservices**.
* All the functionalities are implemented using **Spring IO / Spring Boot** and **Spring JDBC**.
* Designed **REST** and **SOAP** services.
* Designed and developed the **RESTful** web services using the **JAX-RS API** to communicate over the network.
* Designed, developed and tested **HTML5, CSS3, Bootstrap, JavaScript, jQuery** and **React.JS** that meets accessibility and web browser standards for website.
* Implemented Java EE components using **Spring** **MVC**, **Spring** **IOC**, **Spring** **transactions** and **Spring** **security** modules.
* Implemented authentication and authorization for the application using **Spring Security and Oauth2.**
* Changing the AWS infrastructure Elastic Beanstalk to **Docker** with **Kubernetes**.
* Moving existing monolithic architecture to **microservices** and migrating them to **AWS** cloud.
* Developed user interface by using the **React JS, Flux** for SPA development.
* Implemented **React JS** code to handle cross browser compatibility issues in Mozilla, IE 7, 8, 9, Safari and FF.
* Used **React-Router** to turn application into Single Page Application.
* Worked in using **React JS components, Forms, Events, Keys, Router, Animations and Flux** concept.
* Worked on **Swagger API** and auto-generated documentation for all **REST** calls.
* Implemented persistence layer using **Spring** **JDBC** template to store the data in **Oracle** database.
* Involved in maintaining and updating the procedure for **ETL** process.
* Used Oracle as database and Involved in the development of PL/SQL backend implementation and using **SQL** created **Select**, **Update** and **Delete** statements.
* Involved in writing complex **SQL** queries using correlated subqueries, joins, and recursive queries, **PL/SQL** stored procedures.
* Experienced in writing real-time processing and core jobs using Spark Streaming with **Kafka** as a data pipe-line system.
* Developed **Mockito** and **JUnit** test cases to improve code coverage.
* Implemented unit tests for testing Angular components with frameworks using **Karma** and **Jasmine**.
* Created **JSON** request and validated the response using **postman** Interceptor and **Swagger UI**.
* Setup **CI/CD** pipeline process for the application using the **Jenkins**.
* Developed, implemented, and tested **Node.js** applications.
* Apache **Maven** tool has been used for the build and deployment of the application.
* Monitored the Error logs using **Log4j** and fixed the problems.
* Developed server-side application to interact with database using **Node.JS**

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, JPA, JMS, JavaScript, ReactJS, HTML5, CSS3, Eclipse, Oracle 10g, Swagger UI, Apache Camel, Log4j, JIRA, Pure XML, Cassandra, Web Services, Kafka, Microservices, SOAP UI.

**QVC, Wester Chester, PA Feb 2018-Sep 2019**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in Agile stand up meetings throughout the project with team members on day to day basis for the update on project status using **JIRA and HP ALM**.
* Understand and adopt Microservices architecture to gradually replace a core monolithic application to **Microservices**.
* Actively participated in the **Analysis, Design, Development and Testing phases of various modules.**
* Expertise in spring based microservices, and enabled discovery using eureka server.
* Designed and developed **RESTful Web Services using Spring Boot**.
* Developed server-side application to interact with database using **Spring Boot and Hibernate.**
* Developed RESTful Services with Java using **JAX-RS, Jersey and Spring Boot**. Coding for consuming the **REST APIs, getting JSON** response and parsing them to get the required formats.
* Expertise in various components in Spring, which **includes Spring IOC, AOP, Spring JDBC, Spring MVC, Spring JPA, Spring Batch, Spring Security and Spring Boot**.
* Implement the technical transformation for the front-end from **Angular.JS to Angular5. Developed single page applications using Angular5 Routers**.
* Performed form validations using reactive forms from the **Angular5 framework**.
* Created **Angular5 Directives, Components, Pipes, Injectable across the whole system, such as to build the custom filter**.
* Utilized the features of **Angular 6.0** to present effective web design.
* Developed various **pages** in the applications in front end technologies **HTML5**, **CSS3**-**SASS**, **JSON**, **Angular 6**.
* Extensively involved in upgrading the existing system from **Angular 5**to **Angular 6**.
* Developed Single Page Applications (SPA) using **Angular 5, TypeScript, HTML5, CSS3, and Bootstrap 3.**
* Used **HTML5, CSS3, JavaScript, Angular5 and Bootstrap** in front end.
* Managed **Eureka Client, Eureka Server, Eureka Instance, Eureka Service** through Spring Boot.
* Performed CRUD operations like **Update, Insert and Delete data in MongoDB** and handled database access and data transmission based on RESTful web service.
* Implemented **MongoDB** Database in an enterprise, Design and Support data migration in **Devops** Environment.
* Expertise in implementing Micro Services Architecture using **Boot Application, Eureka Discovery Service, Eureka Client, REST, SOAP, JPA, Hibernate.**
* Deploy the application on **Amazon Web services** (AWS).
* Use Amazon Cloud Watch to monitor **AWS services & Amazon Cloud Watch logs** to monitor the application.
* Co-ordinated with **QA lead** for development of test plan, Test management and defect management.
* Hands-on experience in using message brokers such as **ActiveMQ and RabbitMQ**.
* Developed and performed test cases using **Jasmine and Karma** for front end unit testing and used the **Cucumber, Protractor and Http-server for the End 2 End testing**.
* Integrating various **Version control tools**, build tools and deployment methodologies into Jenkins to create an end to end orchestration build cycles.
* Used **Jenkins** to execute the Maven project as well to build the version system tool
* Maintained and managed cloud & test environments and automation for **QA, Product Management and Product Support.**
* Developed **JUnit** test cases for Persistence layer and Business layer to perform the unit level testing.
* Configured **Log4j** for adding the debugging information in the code base.
* Used **SVN** for version control.

**Environment:** Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, JPA, JavaScript, Angular 5, HTML5, CSS3, Eclipse, Drools, JBPM, MongoDB, ILOG, log4j, Junit, TestNG, Selenium, EasyMock, RabbitMQ, XML, Web Services, SOAP UI.

**Jeppesen, Englewood, CO Feb 2016-Jan 2018**

**Sr. Java Full Stack Developer**

**Responsibilities**

* Worked in an **Agile** based development environment and participated in Retrospective, Scrum session for better understanding, communication among team members.
* Involved in various phases of Software Development Life Cycles (**SDLC**) like Design, Development and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams
* Acquired process awareness for software development and deployment.
* Used **Spring Boot**, which is radically faster in building cloud **Micro** **Services** and develop **Spring** **MVC**, based application with very less configuration.
* Analyse business requirements and develop various business delegates to integrate with middleware services like **JAX-WS, JAX-RS** using **SOAP** and **REST.**
* Implement and enhance TAF (Test Automation Framework) application to invoke **SOAP** and **Restful Web Services**.
* Implement Java EE components using **Spring** **MVC**, **Spring** **IOC**, **Spring** **transactions** and **Spring** **security** modules.
* Worked in using **React** **JS** **components, Forms, Events, Keys, Router, Animations, and Flux** concept.
* Used React JS for **templating** for faster compilation and developing **reusable components**.
* Worked on creating, retrieving, updating and deleting documents in **MongoDB**.
* Implemented modular approaches for backend on AWS’s **Elastic Beanstalk** and implemented interfacing with **MySQL/Aurora DB** on AWS’s **RDS**, allowing for scalability.
* Implemented Custom Exceptions depending on the **API** Responses.
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Implemented **BDD** through **Cucumber**. Created the **Feature Files** for Cucumber Automation.
* Developed **Mockito** and **JUnit** test cases to improve code coverage.
* Experience in writing unit tests using **JUnit** and **Easy Mock**.
* Tested the performance of our API using **SoapUI, Postman,** and **JMeter**.
* Used **Jenkins** server for code monitoring during code integration phase.
* Utilize **EBS** to store persistent data and mitigate failure by using snapshots.
* Used **JIRA** as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.

**Environment**: JDK 1.8, Spring, Hibernate, Spring Boot, LINUX, Maven. RESTful Web Services, Jenkins, HTML5, CSS3, React JS, Bootstrap, JavaScript, jQuery, Ajax, Node.js, MongoDB, SoapUI, Postman, API Life Cycle, JUnit, JMeter, Git, JAX-RS, JIRA, Cucumber, Kafka, Putty, Agile.

**Accenture Services Pvt LTD, India Dec 2014-Jan 2016**

**Java Developer**

**Responsibilities:**

* Involved in daily scrum meetings, worked on the sprint tasks in the **Agile** Scrum development.
* Used **Spring framework MVC** in the development of new modules based on requirements.
* Utilized various technologies like **JSP, JSTL, JavaScript, HTML,** & **CSS, jQuery**.
* Refactored existing project to make it more **RESTful** and thread safe.
* Involved in the creation of dynamic web pages with the use of **JSP** and **HTML**.
* Configured and set up Java Workspace which included setting up server and theme installation and configuration. Became familiar with using and navigating through Java Workspace (**Eclipse**).
* Debugged Java classes used to modify web pages such as **Business Objects** and **Data Access Objects**.
* Implemented **JDBC** to perform the database calls from the Java layer.
* Used **JDBC** to persist **Java Objects** into the database.
* For XML marshalling and unmarshalling used **JAXB**. Worked with databases like **Oracle**.
* Tested many components of web application and documented my observations.
* Used **Servlets** as an interface between frontend and backend to handle **HTTP** requests and to send the response back to the front end.
* Participated in analysing the requirements and depicted them through use cases and scenarios.
* Participated in unit testing, integration testing and installation of the system.
* Contributed to the decision making of the software and hardware requirements and tool evaluations.
* Implemented logging for the whole application using **Log4j.**

**Environment:** Core Java, J2EE, HTML, CSS, JSP, JDBC, JSP, JavaScript, jQuery, XML, JSON, Servlets, Spring Framework, PL/SQL, Hibernate, Oracle, JAXB, RESTful, Log4j.

**Virtusa, Hyderabad, India June 2012-Nov 2014**

**Java Developer**

**Description:**

We have developed an online system to facilitate the tracking of various projects and related resources. The implemented system has various user levels for the security purposes and development was mainly done using Struts and JSP.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** as requirement gathering, modeling, analysis, architecture design & development.
* Participated in daily scrum meetings all through the development of the project**.**
* Implemented the application using **Struts Framework** which is based on **Model View Controller design pattern** for clean separation of business logic from the presentation layer.
* Developed user interface using **JSPs, CSS and HTML**.
* Developed UI using **JSP, JSP Tag libraries**.
* Extensively used **Hibernate** in data access layer to access and update information in the database.
* Designed various tables required for the project in **Oracle 10g** database Used **Toad** tool to connect and work on the database.
* Used **ANT to** build the application and deployed on **JBoss**.
* Monitored the **error logs** using **Log4J** and fixed the problems.
* Developed the different components of application such as JSPs, Servlets using **JBOSS**.

**Environment:** JDK1.5, Struts1.2, HTML, CSS, JavaScript, JSP1.2, Servlets, HTML, CSS, JDBC, JavaScript, Log4J, ANT, Hibernate3.0, Ajax, Eclipse, JBOSS, Oracle 10g and LINUX.

**Education**: Bachelor’s in computer science from CMR Institute of Technology in 2012.