**UTTEJA CHAUHAN KORRA**

Email ID: [**uttchauhan304@gmail.com**](mailto:uttchauhan304@gmail.com)

**Mobile No: +1(973)957-2136**

**PROFESSIONAL SUMMARY:**

* Over all 9 years of IT experience in all phases of **Software Development Life Cycle (SDLC)** such as **Planning**, **Analysis**, **Design**, **Implementation**, **Testing** and **Maintenance** of **Web Based**, **Client-Server** and **N-tier Architectures**.
* Experience in configuring and managing **Amazon AWS Cloud Services, EC2, S3, EBS, ELB, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, Cloud Formation, Lambda, Cloud Front, Route53, Cloud Watch, AWS Code Commit, AWS Code Deploy, Serverless Deployment**.
* Experience in Creating and designing the **AWS Cloud Formation Templates** in different environments according to the given requirement.
* Worked with service migration tools like Amazon service migration and Snowball.
* Worked with AWS infrastructure like **docker** for containing **microservices** and write **docker** file, Jenkins for automated integration and deployment process and **Kubernetes** for deploying pods and maintained each pod on **Kubernetes** dashboard and load balancing.
* Experience in using Core Technologies **HTML, CSS, Bootstrap, Java Script, JQuery, AngularJS** framework**.**
* Experience in working with server - side technologies like **Node JS, Restful API** and **MVC** design patterns.
* Experience in writing **AngularJS** controllers, views and services for website features.
* Skilled in working with responsive web Design using **JSON, AJAX, SOAP** and **Bootstrap**.
* Experience in performing Unit Testing using **Jasmine, Karma** and maintaining cross browser compatibility.
* Experience in working with web application servers, web sphere, **Apache Tomcat** and **JBoss**.
* Proficient in working with SQL and NoSQL databases like **MongoDB, PostgreSQL, Couch, Consul.**
* Experience in creating test suites using **Jasmine, Karma** and worked on tools such as **NPM**.
* Extensive experience in automation of Version Control Systems like **GIT, SVN** to manage source code effectively.
* Proven ability to scale and administer the Continuous integration systems on multiple platforms using Jenkins.
* Hands-On experience in using **Nexus** and Artifactory repository managers for **Maven builds.**
* Experience working on **Docker hub, creating Docker images** and handling multiple images primarily for middleware installations and domain configuration.
* Hands-On experience with **JIRA** an issue and project management tracking tool.
* Sound Knowledge in working with **Shell scripting, Ruby scripting, Bash scripting**.
* Knowledge on protocols like **HTTP, SSL, DHCP, DNS, LDAP.**
* Experience in **AWS** Cloud platform and its features which includes **EC2**, **AMI**, **EBS**, **Cloud watch**, **AWSSQS** and **AWSS3.**
* Converting existing AWS infrastructure to server less architecture (AWS Lambda) deployed via **terraform** or AWS cloud formation.
* Extensive experience of designing and developing software applications with **Java, J2EE, EJB, JSP, JSF, Servlets, Java Beans, ORM, Web Services, JDBC, XML, CSS, SOAP, REST**.
* Used **Microservice** with **Spring Boot** through a combination of REST and Apache Kafka message brokers. Good experience in implementing applications with **Model-View-Controller (MVC)** **/ N-tier Architecture**.
* Background in implementing and supporting the models in production at scale - **microservices** development of cloud-native applications using **Spring**, and **Kafka** integration.
* Experience in User Experience (**UX**) design and development, User Interactive (**UI**) Web Pages and visually appealing User Interfaces using **HTML 5, CSS3, Bootstrap, JavaScript, JSON, jQuery, AJAX, Angular** and **ReactJS**.
* Hands-on experience in using message brokers such as **ActiveMQ**and **RabbitMQ.**
* Experience using **Fuse/Apache ServiceMix**as integration platform and **Apache ActiveMQ** as messaging platform.
* Proficient with development of **RESTful Web Services** using **JAX**-**RS** for exchange of **JSON** and **XML** representations.
* Expertise in development and deployment of **SOA** and **multi**-**tiered** web-based enterprise applications using **J2EE** technologies like **Servlets, JSP, JMS, Hibernate, Spring boot, JDBC, angular, Java Beans** and **Web services** (**SOAP**, **Rest**)
* Expertise in using **Oracle SQL Developer GUI (Graphical User Interface)** tool for database development, browse database objects, and proficient in **SQL**, **PL/SQL, Views, Functions, Stored Procedures** and **Triggers**.
* Designed and developed custom applications specific to client needs and proficiency in multiple databases like **MongoDB, MySQL, ORACLE** and **MS SQL Server Mongo**. Worked on **MongoDB** database concepts such as **locking, transactions, indexes, Sharding, replication, schema design**.
* Experience in Test driven development (**TDD**) using unit testing frameworks such as **Jasmine, Protractor, Karma**, **JUnit**, **Selenium** etc.
* Experienced with IBM **WebSphere**, **Oracle WebLogic**, **JBoss** and **Apache Tomcat** application servers.
* Experienced in the deployment of the **war** filesusing **Jenkins**, **ANT**, **Maven** deploys tools and performing other configuration changes for setting up the application in the integration testing environment.
* Experienced in setting up logging configurations in the applications using **Apache Log4j** and **Log back.**

**CERTIFICATION**

* Oracle Certified Java Programmer

**Education**

* Bachelors in information technology from Osmania University in 2012

**TECHNICAL SKILLS**

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| **Languages** | C, C++, Java (J2SE 1.8/1.7/1.6/1.5, JEE 6 / 5), SQL, PL/SQL, Javascript |
| **Technologies** | JSP2.1/2.0/1.2, Servlets2.x/3.x, JavaBeans, JDBC, RMI, EJB3.0/2.1, Hibernate4.x/3.x, Spring4.0/3.0, Web Services (SOAP, REST), SOA, JMS1.1, OSGi, DOM Parsers, AJAX, JAXB2.1/2.0, JAXP1.x |
| **Web Technologies** | HTML 5/DHTML, XHTML1.1, JavaScript, jQuery, Angular-JS 1.5, Angular 2, React JS, Node JS, ExpressJS, Grunt, Gulp Typescript, CSS3, XML1.0, XSL, XSLT, Bootstrap |
| **Development Tools (IDEs)** | Eclipse 3.2/3.0/2.1.1, MyEclipse6.0/5.1.1, NetBeans3.3, MS Visual Studio 2015 |
| **Web/Application Servers** | Tomcat 7.x/6.x, Web Logic 10.3/9.2/8.1/7.0, IBM WebSphere6.x/5.x/4.x, JBoss 7.0 |
| **Design Patterns** | MVC, Front Controller, Session Façade, Singleton, Business Delegate and DAO patterns |
| **Databases** | Oracle 12c/11g/10g/9i/8i, MS SQL Server 2008/2005/2000, MySQL5.1/4.1, DB2 9.1/8.1/7.2 |
| **NoSQL Database** | MongoDB, DynamoDB |
| **Platforms** | Windows, UNIX, LINUX |
| **Testing Tools** | JUnit 4.x, Jasmine 2.3/2.4, Karma, Protractor 2.5/3.0, Selenium 3.0.1 |
| **Version Control** | GIT |
| **Methodologies** | Agile Methodology, Waterfall Methodology |
| **Other Tools** | Ant 1.7, Maven 3.x, Gradle3.x, Jenkins (CI), Rational Rose, Log4J, AWS, Docker |

**PROFESSIONAL EXPERIENCE**

**Client: Centene – Charlotte, NC**

**June 2021 – Present**

**Role: AWS Backend Developer**

Working as AWS back-end developer in developing Cloud based Enterprise Web Applications using Client-Server technologies Node.js.

* Experienced in **AWS** infrastructure management for production and development.
* Experienced in configuring and creating AWS services, **Lambda**, **S3**, **SNS**, **SQS**, and **API** **gateway**.
* Experienced in creating and designing the AWS **cloud** **formation** templets in different environments based on the given requirements.
* Experienced in working with server-side technologies like **Node** **JS** to build backend applications and Creating **Restful** **API’s**.
* Experience in developing **Lambda** functions in Node.js and implementing the **multi**-**tenant** architecture for all the existing resources.
* Developed **API** for using **AWS Lambda** to manage the servers and run the code in the **AWS.**
* Used Amazon **cloud** **watch** to monitor AWS services and amazon could watch log to monitor Lambda.
* Experienced in AWS services like API gateway, Billing, could formation, could watch, code build, code commit, code deploy, code pipeline, DynamoDB, event bridge, IAM, Kinesis, Lambda, S3, secrets manager, SNS, SQS, and Systems manager.
* Worked on functions in **Lambda** that aggregate the data from incoming events and then store the result data in Amazon DynamoDB.
* Experience in assigning tags to the **AWS** resources like **SQS queue, SNS** and the **Lambdas** for the monthly and hourly cost allocation reports.
* Expertise in creating **DynamoDB** tables using partition key and implementing **CRUD** operations.
* Experienced in writing Unit test cases and integration test cases using **Jest** framework to ensure the correctness of the code base and used Jest code coverage.
* Experienced in **CI/CD** pipeline integration using **GitLab**.
* Experienced in building and deploying code with CI/CD pipeline in AWS **code** **commit**.
* Experienced in working with **NPM** commands and configured the **package.json** with dev dependencies of Node JS application.
* Used Visual Studio code as Integrated Development Environment for **Cloud** based applications, Web applications, **GUI (Graphical User Interface), web services**.
* Working experience on serverless deployment through **AWS** **CLI**
* Experienced in writing **SAM** **template** to deploy serverless application on AWS cloud.
* Developed and deployed **stacks** using AWS cloud formation templates.
* Used **GIT** to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and create new branch when new feature implementation starts.
* Experienced in working with **Agile** **methodology**, tracking, and processing management tools like **confluence** and **Jira**.
* Collaboration with the team to understand the system end to end, Participated in **Agile** Development Team, and having daily SCRUM meeting for progress reporting as well as task distributing.

**Client: Mobiquity - Gainesville, FL**

**December 2019 – May 2021**

**Role: Full Stack Developer**

Working as AWS full stack developer in developing Cloud based Enterprise Web Applications by using Client-Server technologies. Also participated in development of Spring boot applications as per client requirement.

* Responsible for creating efficient design and developing User Interaction screens using **HTML 5, CSS3, JavaScript, Bootstrap, React.js, Redux.**
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom **HTML tags.**
* Used Redux Framework architecture (like Reducers, Containers, Saga) for integrating the data with React-Native Application and created and used Reducers that received said Actions to modify Store State Tree.
* Involved in responsive design and developed a **single page responsive** website that could be served to desktop, Tablets and mobile users using React.js and Redux.
* Used various predefined components from **NPM (Node Package Manager)** and redux library to create user interaction screens.
* Developing **docker** file for different end points and validate them through the **docker**-central to run the Jenkins job with given parameter and deploy job to the **Kubernetes**.
* Used React JS components, Forms, Events, Keys, Router, Animations, and **Flux** concept for page creation.
* Implemented various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.
* Used React-**Draggable** to develop the Drag and Drop functionality.
* Involved in writing application-level code to interact with APIs, Web Services using AJAX, JSON and XML.
* Used React JS for templating for faster compilation and developing reusable components.
* Experience on writing **docker** file and **docker** compose, Jenkins build with groovy script and writing unit test cases.
* Worked on **Kubernetes** with load balancer and CPU usages with memory issues, logs on pods and replication controller with restarting and bounce the services.
* Developed single application to render dynamically based on the JSON from the Node JS server.
* Used configuration file and Node JS at backend to interact with MongoDB using Mongoose connector.
* Developed Node.JS Readable and **Writable streams** to process the data from the external source of the application.
* Analysis of HTTP requests and responses using tools like Firebug and Chrome Dev tools to identify security issues and to design and develop the solutions to resolve the same.
* Implement functionality based on screen flow diagram and wireframe provided by the business team.
* Fixed performance Issue in the product using bug fixing and implementing new features.
* Used **GIT** as repository as Version Control Management Tool.
* Used Maven to define the dependencies / plug-in and build the application.
* Used Rest Controller in Spring framework to create RESTful Web services and JSON objects for communication.
* Involved in implementing the **Micro Services** based on Restful API utilizing Spring Boot with Spring MVC.
* Developed RESTful web service using Spring and JAX RS
* Developed Business logic with the help of Spring and Data Access was implemented using Hibernate.
* Utilized Apache Tomcat server integrated with Eclipse for debugging and Unit testing.
* Developed scripts for **loading and unloading the tables** in Dynamo database.
* Supporting backend applications by building a user interface using technology stack like **Angular 8 framework**, Typescript, Bootstrap, Vue JS
* Implement Test cases using **Cypress** and Tested web services with **REST Client Postman.**
* Working in Agile form of workflow with sprint planning for project deliverables.
* Created some modules in **spring boot application** to deploy in Cloud environments using EC2 instances.
* **Visual Studio code** is used as Integrated Development Environment for Cloud based applications, Web applications, GUI (Graphical User Interface), web services.
* Implemented SOA to develop **REST** Based Web services.
* Developed **REST Web Services** clients to consume those Web Services as well other enterprise-wide Web Services using **Micro service** architecture. Integrating Java Applications with **JSON-based REST APIs**.
* Estimate level of effort, evaluate new options of similar technology, offer suggestions to improve processes, and provide comments on some design aspects. Participated in **Sprint Planning, Grooming, Demo and Retrospective meetings.**

**Client: USAA - Houston, TX**

**Dec 2017 – Nov 2019**

**Role: Full Stack Developer**

**Roles & Responsibilities:**

* Participated in Agile Scrum methodology for application development. Analysis, design, coding, unit, and integration testing of business applications in an object-oriented environment.
* Followed **AGILE** (SCRUM) methodologies with sprint planning every two weeks and daily stand up meetings to monitor the status.
* Developed Backend **Spring boot**resources to serve the **JSON**data to the web interface.
* Developed **Micro service** architecture using **REST APIs** in **Spring boot and Maven**. Implemented exception handling in **Java Spring boot** for **REST API** by making use of Exception Handler and Controller Advice annotations.
* Developed **Apache camel** routes, **JMS** endpoints and used free marker to customize service responses.
* Used complete annotation approach for the **Spring** application development and leverage **Spring profiling** development and worked on **Spring** as Application-Level framework.
* Used **Web services (SOAP, REST)** for transmission of large blocks of XML data over HTTP.
* Involved in deploying and testing the application using **Tomcat Server.**
* Created robust client-side model and validation using **HTML, DHTML, CSS, Java Script, JSP, Struts Tag Library**.
* Extensively used Jenkins for continuous integration.
* Multithreading and Asynchronous coding to achieve efficiency.
* Implemented the function to send and receive **AMQP**messages on **RabbitMQ**synchronously and asynchronously, and send **JMS**message to **Apache ActiveMQ**on the edge device.
* Integrated configured Camel with **ActiveMQ** to use it as bus
* **Configured Struts, Hibernate framework with Spring MVC.**
* Implemented application-level persistence using Hibernate and Spring.
* Implemented **Spring** Beans using IOC and **Transaction management** features to handle the transactions and business logic.
* Utilized **TFS** for task scheduling. Strong participation in **production support** and **enhancements**
* Good knowledge with version control tools like **team foundation version control Explorer**.
* Worked on creating dynamic web pages using **HTML5, JavaScript, jQuery** and **AngularJS.**
* Hands on experience on writing test cases using **Junit**, **Mockito** and **insomnia** for webservices test.
* Developed code to fetch data from back-end and populate on UI using **AJAX, Angular-JS, JSON**.
* Deployed applications on**AWS**by using **Elastic Beanstalk.**
* Managed **Amazon Web Services (AWS)** infrastructure with **automation** and **configuration.**
* Converted existing JavaScript code into **MVC pattern** using **AngularJS framework**.
* Created responsive web pages for the system using **HTML5** and **Bootstrap**.
* Implemented Dynamic form generation, auto-completion of forms and user-validation functionalities using AJAX.
* Installed application on **AWS EC2** instances and also configured the storage on **S3 buckets**.
* Used **Ajax** calls to make requests to external **RESTful Web Services** and injected the **service** into the **controllers**.
* Implemented the design using **Spring MVC**, making use of concepts such as **Dependency Injection** and **Annotation based transactions.**
* Provided Level 1 and 2technical and trade support for Sales TradingDeskof 50.
* Used **Spring MVC** for the controllers used Spring Security for securing the web tier Access
* Implemented caching using **Redis NoSQL database.**
* Involved in writing optimized code using **multithreading** concept.
* Involved in event handling using **multithreading**.
* Involved in check status of systems in network using **multithreading** concept
* Created and consumed **SOAP** and **REST APIs** using **Apache CXF** and **Spring framework.**
* Developed backend **REST** API’s using **Node** and **Express-JS** and took part in setting up schema objects in mongoose for data retrievals.
* Developed unit test cases to test the **REST** API’s using **Mocha** and involved in setting up **Swagger** tools for REST documentation.
* Used **Jenkins** for continuous integration in which all development work is integrated and involved in deploying the application using **Docker** to **AWS** environment.
* Responsible for writing ATTD scripts with Cucumber, testing manually as well as automated.
* Developed **Kafka** message listeners to consume messages from topics using **Spring Kafka**.
* Supported and enhanced existing applications developed using **Java, spring, Hibernate, JMS and REST** web services.
* Developed batch jobs using **Spring** **batch** and **Spring scheduling** to process XML files received from other systems.
* Enhanced existing REST API’s by adding new operations using **Spring, Jersey** and created documentation for web services using Swagger.

**Client: Amway Corp – ADA, MI**

**December 2015 – Nov 2017**

**Role: Java Developer**

**Roles & Responsibilities:**

* Performed application development following **Agile Scrum** methodology by taking part in analysis, design, coding, unit, and integration testing of business applications.
* Implemented **Single Page Application** (SPA) using **Angular JS Routing.**
* Designed and developed **Microservices** **business components** using **Spring Boot**. Hands-on experience in development of **Microservices** and deploying in **Docker.**
* Implemented spring applications with **Spring Boot** and **DAO design pattern** for maximum abstraction of the application and code reusability.
* Implemented the application using **Spring Boot** Framework and handled the securityusing **spring security**.
* Worked on creating dynamic web pages using **HTML5, JavaScript, jQuery** and **AngularJS.**
* Installed application on **AWS EC2** instances and also configured the storage on **S3 buckets**.
* Used **Ajax** calls to make requests to external **RESTful Web Services** and injected the **service** into the **controllers**.
* Implemented the design using **SpringMVC**, making use of concepts such as **Dependency Injection** and **Annotation based transactions.**
* Integrated configured Camel with **ActiveMQ** to use it as bus
* Used **Spring MVC** for the controllers used Spring Security for securing the web tier Access
* Implemented caching using **Redis NoSQL database.**
* Involved in writing optimized code using **multithreading** concept.
* Involved in event handling using **multithreading**.
* Involved in check status of systems in network using **multithreading** concept
* Created and consumed **SOAP** and **REST APIs** using **Apache CXF** and **Spring framework.**
* Resources were exchanged using **RESTful web services** with the data passed around in **JSON** format.
* Developed backend **REST** API’s using **Node** and **Express-JS** and took part in setting up schema objects in mongoose for data retrievals.
* Developed unit test cases to test the **REST** API’s using **Mocha** and involved in setting up **Swagger** tools for REST documentation.
* Used **Jenkins** for continuous integration in which all development work is integrated and involved in deploying the application using **Docker** to **AWS** environment.
* Worked on performance testing by creating a. jmx file for API as well as UI and tested in both the environment Dev/QA both by using a tool **JMeter** and load the test results.
* Responsible for writing ATTD scripts with Cucumber, testing manually as well as automated.
* Developed **Kafka** message listeners to consume messages from topics using **Spring Kafka**.
* Supported and enhanced existing applications developed using **Java, spring, Hibernate, JMS and REST** web services.
* Having good implementation experience with installation and configuration of **Kubernetes**, clustering them and managed local deployments in **Kubernetes**.
* Ensured successful architecture and deployment of enterprise-grade PaaS solutions using Pivotal Cloud Foundry (**PCF**) as well as proper operation during initial application migration and set new development.
* Developed batch jobs using **Spring** **batch** and **Spring scheduling** to process XML files received from other systems.
* Enhanced existing REST API’s by adding new operations using **Spring, Jersey** and created documentation for web services using Swagger.

**Tech Mahindra - Hyderabad, India**

**Aug 2013 – Aug 2015**

**Role: Java / J2EE Developer**

**Roles & Responsibilities:**

* Involved in Full Cycle of Software development from **Analysis** through **Design**, **Development**, **Integration** and **testing** phases.
* Created **Class diagrams**, **Sequence diagrams** and **Activity diagrams** to describe the relationship that exists among system's object in accordance with the business requirements using **UML**.
* Designed and implemented application using **Spring MVC**, **Backbone,** **JNDI**, **Spring IOC**, **Spring annotations**, **Spring AOP**, **Spring Transactions**, **Hibernate**, **JDBC**, **SQL**, **ANT**, **JMS**, **Oracle**, **JBoss**.
* System built using **Model-View-Controller (MVC)** architecture. Implemented the application using the concrete principles laid down by several design patterns such **as Composite View**, **Session Façade**, **Business Delegate**, **Bean Factory**, **Singleton**, and **Data Access Object**
* Implemented front-end using **Backbone, underscore, jQuery,** **HTML**, **CSS** and **JavaScript**.
* Developed **backbone** views, models, and collections and configured routing in the application using **Backbone** router.
* Worked with **jQuery Ajax** to perform backend calls for data retrievals to populate model objects in collections.
* Developed **Web services** to allow communication between applications through **RESTful** over **HTTP** using **ApacheAxis2**.
* Build some applications Using **RESTful Microservices** using **Spring boot** as per client requirements.
* Designed and implemented transaction management using **Spring declarative transaction management.**
* Consumed **JMS** messages using message listener container in spring from **WebSphere MQ** broker.
* Implemented different types of **spring** controllers as per application requirements, **Spring Validators**, **persistence layer**, **DAO** and **service** layer components using **Spring**/**Hibernate** API and **Spring**/**Hibernate** annotations. Extensively used **Hibernate** QL.
* Extensively used **Spring IOC**, configured Application Context files and performed database object mapping using **Hibernate** annotations.
* Developed various batch jobs using **Spring boot** and **Quartz** schedulerdeployed them on **WebSphere** application Server 8.0.
* Worked with **Hibernate** **JPA** for mapping business objects to the **Oracle** database
* Automate build process by using **Maven** and used **CVS** version control tool.
* Configured and customized logs using **Log4J**.
* Provided production support by debugging and fixing critical issues related to application and database.
* Troubleshooting of high volume and transaction and connection pool related issues in production and refactored code to fix the issues.
* Took part in code reviews, application deployments, establishing CI/CD Jenkins process, creating ansible playbooks for AWS cloud deployment.