## Lokesh Kumar

Full Stack Developer @ CVS Health, Woonsocket, Rhode Island

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### Summary

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| --- | --- |
| Previous | Full Stack Developer @ Bank Of America, Charlotte, North Carolina |
| Preferred | Full Stack Developer |
| Location | Woonsocket, RI, US |
| Desired Work Settings | No Preference |
| Willing to Relocate | Yes |
| Work Authorization(s): | Authorized to work in the United States on a full-time basis. |
| Security Clearance Info: | Has Security Clearance |
| Employment Type | Contract - Corp-to-Corp Contract to Hire - Corp-to-Corp |
| Total Experience | 11 years |
| Education | Unspecified |
| Profile Source | Dice |
| Profile Downloaded | Monday, December 9, 2024 |

**Lokesh Kumar**

**Java Full Stack Developer**

**Email:**

**Phone:**

**PROFESSIONAL SUMMARY**

* IT professional with 11+ years of experience as Java Full stack developer with expertise in Design, Development, Analysis and Testing and implementation of distributed Web Based Applications and Client/server applications using Java/J2EE Technologies
* Proficient in UI design, developed Front End using JSP, HTML5, CSS3, JavaScript, Ajax, jQuery, ReactJS, Angular, Typescript, ECMAScript.
* Proficient in Cloud based deployment on Amazon EC2 and their other offerings like S3 and AWS including EC2, VPC, S3, EBS, ELB, Cloud-Front, IAM, RDS and Cloud Watch, Elastic cache, SNS, SQS, AMI.
* Proficient in building interface with ReactJS and worked with React Flux architecture and Utilized React-Router for Dynamic Routing.
* Experience with Java 1.8 features such as Lambdas for making function calls by using functional interfaces which makes code readable and concise.
* Experience with Docker images, Containers, push/pull with Spring Boot, used Jenkins for CICD and AI.
* Responsible for setting up Docker containerized environments and Openshift (OCP) from start up.
* Implemented CICD pipelines for the containerized solution using existing DevOps tools in OCP for DEV and QA envs.
* Enterprise Container Services, and today using AWS Faregate.Implemented Micro Services framework with Spring Boot, NODE.JS and OpenShift containerization platform (OCP).
* Hands on experience in design and development of robust and highly scalable applications and API’s based on REST and SOAP applications using AXIS, WSDL, UDDI, XML, JAX-WS, JAX-RS, JAXB, JAX-RPC and Jersey, Apache CXF frameworks.
* Expertise in Design Patterns like Singleton, Business Delegate, Service Locator, DAO, DTO and MVC, Template in the development of multi-Tier distributed Enterprise Applications and sound knowledge on multi-threading.
* Hands on experience with application development using J2EE Technologies like Spring frameworks, Hibernate, Servlets, JSP, JDBC, EJB, JPA, JDBC, JavaBeans and Web services with concentration on effortless backend functioning.
* Experience in testing frameworks like Jasmine, Protractor for angular functionality testing and karma for running tests
* Full Stack development experience working on web apps with many technologies like Angular, React, Node, Java, GraphQL and MySQL.
* Expertise in modern web architecture using various Java script frameworks and libraries like ReactJs, Redux, Redux Tool kit, Angular, AngularJS.
* Extensively used Java 8 features such as lambda expressions, method referencing, Stream API’s, parallel operations on collections, multithreading, and for effective sorting mechanisms and to increasing performance of the application.
* Worked on Microservices architecture using spring Boot and using Netflix eureka server and implementing using NodeJS.
* Strong experience in Spring Framework modules such as Spring MVC, JDBC, Spring Dashboard, Spring Boot, Spring Microservices, Spring Eureka, Spring Netflix, Spring Batch.
* I have experience in designing test cases and performing unit testing with JUnit Framework.
* For testing RESTful and SOAP Web Services, I used Postman and SOAP UI.
* Expertise maintaining (ORM) Object/Relational Mapping Files using Hibernate to ensure object persistency and transaction control
* Hands on experience on working with OAUTH to provide authentication and authorization to Rest services by using JSON Web Tokens (JWT) to securely communicate JSON Objects.
* Hands on experience with messaging tools like Kafka, RabbitMQ, ActiveMQ for operations.
* Experience with Java Messaging Services (JMS) like Rabbit MQ, Active MQ and Apache camel.
* Expert in working with databases like Oracle, MySQL, DB2, SQL server to generate complex SQL, PL/SQL queries, sub queries like joins, view, triggers etc. and NoSQL databases like MongoDB and Cassandra to database modelling and development.
* Experience with Deployment tools such as CI/CD, Jenkins, Docker image, Docker Containers and Kubernetes.
* Long-time experience in working with version control systems like GIT and used Source code management client tools like GitHub, Bitbucket.
* Experience in using built tools like Maven, Ant, Jenkins and Log4J to automate the process.
* Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources for solution in a single, coordinated operation.
* Used JIRA and Rally to Bug/Issue tracking and project management.

**EDUCATION**

* Bachelors Of Technology from Jawaharlal Nehru Technological University Hyderabad

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Platforms** | Windows 2000/NT/ XP/Vista and Sun Solaris 2.8/2.9, UNIX |
| **Programming** | JDK 1.5, 1.6, 1.7,1.8, C, C++ |
|  |  |
| **Server Scripting** | JSP1.2,2.1, JSP-EL, JSTL, Custom Tags |
| **Client Scripting** | J Query 1.8,1.9, jQuery UI, JavaScript, CSS2, CSS3, HTML4, HTML5, NodeJS, AngularJS 2, AngularJS 4,Angular 11, Grunt, Protractor, Jasmine, Typescript, ECMAScript 5, ECMAScript 6, React |
| **Java Frameworks** | Struts 1.2, Struts 2.1, Spring MVC,DI, AOP, JSF 1.1, JSF 2.1, GWT, Vadim |
| **Database Tools** | Toad for Oracle, Toad for MySQL, Toad for DB2, Toad for MS-SQL, Erwin, Altona Database Spy, MySQL Workbench, Spark |
| **Databases** | DB2, MS-SQL Server, HSQLDB, PostgreSQL, MySQL |
| **Middleware Specifications** | EJB 2.1, EJB 3.0, CORBA, RMI, JMS |
| **Version Control** | Tortoise SVN, Rational ClearCase, Accrue, GitHub, CVS |
| **IDEs** | Eclipse 3.0, 3.1, MyEclipse 4.1, IntelliJ, NetBeans, JBuilder 2007, JDeveloper. |
| **Build Tools** | ANT 1.7,1.8,1.9, Maven, Gradle |
| **Continuous Integration** | Jenkins, Hudson |
| **XML Tools** | Altona XML Spy 2005,2008 |
| **XML Technologies** | XSLT, JAXP, JDOM, SAX, DOM, XPATH, XPOINTER, XML, XSD,DTD |
| **Webservice Specifications** | JAX-RPC, JAX-WS, JAX-RS |
| **Webservice Tools** | SoapUI 4.0,5.1, TCP, Rest API |
| **Webservice Implementations** | Axis 1.0,2.1, JWSDP2.1, Sun Metro, Sun Jersey, Apache X Fire, Apache CXF |
| **Whitebox Testing** | Junit 3, Junit 4, DB Unit, Juniper, HTTP Unit, Load Test, Timed Test, Selenium, Fitness, Easy Mock, Mockito |
| **Blackbox Testing** | JMeter, load UI, LoadRunner, HP Quality Center, WinRunner, |
| **Application Servers** | WebLogic 8.1, 10.0, WebSphere 6.1, JBoss 4.0, Glassfish 4.0 |
| **Web Servers** | Tomcat 5.0,6.0,7.1, Joans |
| **UML Tools** | Altona UML Model, Rational Enterprise, MS Visio |
| **ORM Frameworks** | Hibernate 3.0,3.1,4.1, TopLink, OpenAI, abattis |
| **Defect Tracking** | JIRA, Bugzilla, Rational ClearQuest |
| **Methodologies** | Agile (XP, Scrum), Rational Unified Process(RUP), Waterfall, Kanban |
| **Reporting** | reports, Reports |
| **Batch Jobs** | Quartz Scheduler, Cron, Spring Batch |
| **HTML Editors** | MS-Frontpage 2003, Adobe Dreamweaver, Coffee Cup HTML |
| **Templating** | Velocity, Free marker |
| **Search APIs** | Sold, Lucene |
| **Cloud** | AWS, IBM Bluemix, Pivotal Cloud Foundry, Spring Cloud |

**PROFESSIONAL EXPERIENCE**

**Client: CVS Health, Woonsocket, Rhode Island. Feb 2022 to Present**

**Role: Full Stack Developer**

**Responsibilities:**

* Sound Knowledge about the entire (SDLC) of the project right from the designing of the project till the implementation phase of the project.
* Expertise in using CSS3, HTML5, React, TypeScript, ES6, JavaScript, JSON and jQuery to create UI web pages.
* Developed user interface by using the React JS, Flux for SPA development, also used React forms for data driven form components and React router to define module level routing.
* Used ReactJS to capture user actions and render the relevant action, as well as dynamically render the UI based on user actions.
* Led the implementation of CMMI Level 3 processes, resulting in a 20% improvement in project delivery timelines and a 15% reduction in defects.
* Developed and maintained project-specific process documentation, ensuring compliance with CMMI Level 3 standards and facilitating seamless audits.
* Created middleware to generate and verify JWTs, enhancing security and session management. Implemented JWT across microservices, achieving secure, scalable authentication. Added JWT validation to API routes, securing endpoints and reducing unauthorized access.
* Skilled in RxJS and observables for managing asynchronous data streams and integrating reactive programming paradigms in Angular 11 projects.
* Implemented interactive features with vanilla JS, enhancing user experience and interactivity. Refactored JavaScript code to TypeScript, reducing runtime errors and improving code maintainability. Implemented async functions and error handling, improving code readability and performance.
* Conducted regular process reviews and identified areas for improvement, leading to the successful achievement of CMMI Level 3 certification within the stipulated timeline.
* Implemented robust change management processes, resulting in a 30% reduction in post-release defects and increased client satisfaction scores by 25%.
* Collaborated with cross-functional teams to define and document process workflows, ensuring adherence to CMMI Level 3 practices across all project phases.
* Utilized Web Sockets with React to maintain consistent and real-time state across users.
* Involved to implement various client-side interfaces on the front end using React.js and used various predefined components from NPM and redux library and deployed application to NGINX.
* Experience in Vue.JS for building apps and declarative templates with databinding, created some custom directives in the application.
* Designed and deployed DynamoDB tables, achieving high availability and scalability. Transferred data and optimized schema, improving query performance by 50%. Configured provisioned throughput, ensuring consistent performance during peak loads.
* Designed and implemented end-to-end CI/CD pipelines on Azure DevOps, resulting in a 30% reduction in deployment times and a 20% increase in release frequency.
* Orchestrated automated testing processes within CI/CD pipelines, leading to a 25% decrease in post-deployment defects and an overall improvement in software quality.
* Integrated Azure DevOps with version control systems like Git, ensuring seamless source code management and enabling efficient collaboration among development teams.
* Implemented continuous monitoring and feedback mechanisms in CI/CD pipelines, resulting in a 15% improvement in application performance and stability.
* Configured automated backups and point-in-time recovery, ensuring data protection and quick recovery. Tuned write-ahead logging (WAL) and configuration, enhancing write performance by 30%. Implemented advanced SQL functions and extensions, enabling comprehensive data analysis.
* Configured FDWs for external data sources, achieving seamless data integration and access.
* Created custom deployment templates and scripts, automating the provisioning of infrastructure resources on Azure, reducing manual intervention by 40%.
* Configured OAuth authorization server, achieving secure and scalable user authentication. Set up OAuth flows for third-party logins, enabling secure third-party integrations. Configured token validation middleware, enhancing API security and access control.
* Responsible for setting up the multi node cluster for OCP & creating, managing necessary pods for respective docker images for the micro services based WCS V9 architecture.
* Responsible for setting up the build pipelines in OCP using Jenkins and promoting it to DEV/QA envs based on labels and selectors.
* Utilized Azure App Services and SQL Database, achieving 99.9% uptime and improved scalability. Configured Azure Site Recovery, ensuring data integrity and quick recovery. Migrated VMs to Azure Virtual Machines, improving performance and reducing maintenance costs.
* Highlight your ability to optimize Spark applications for performance. Mention any strategies you've employed to improve query execution times, reduce data shuffling, and fine-tune cluster configurations for optimal resource utilization.
* Project Descriptions: Provide brief descriptions of projects related to capital market systems that you've contributed to using Java. Emphasize any accomplishments or challenges you've overcome.
* Technologies Used: Specify the technologies, tools, and frameworks you used in your Java projects, such as trading platforms, databases, and middleware.
* Integrated GraphQL schemas to optimize data fetching, reducing API calls by 50%. Created resolvers for complex queries, improving client satisfaction with tailored data. Designed GraphQL API to minimize data payload by 40%, reducing network usage.
* Supporting projects in WCS and users in activities around automated deployment of their applications into OCP.
* Achievements: Highlight any achievements, such as improving system performance, reducing latency, or enhancing the reliability of trading systems.
* Used React http service to make GET/POST/PUT/DELETE to deal with API request and response.
* Experience in using Java 11 features such as Lambdas, Streams, Observables and Completable Futures etc.
* Developed microservices and created REST API's using Java Spring Boot framework, and Spring REST implementation and used Maven as a build tool.
* Worked with Spring annotations mechanism to create RESTful applications.
* Designed and documented REST/HTTP APIs, including JSON data formats and API versioning strategy.
* Implemented REST API web service to fetch data from the MongoDB.
* Used Enterprise built security wrapper to secure REST endpoints, using policies to provide secure access.
* Developed microservices using spring framework, benefiting from auto-configuration using spring-boot, securing with spring security.
* Installed and configured PostgreSQL, achieving reliable and efficient data storage. Tuned queries and added indexes, improving query performance by 40%. Implemented table partitioning, enhancing performance and manageability.
* Proficient in implementing state management patterns and practices using libraries such as NgRx or Akita in Angular 11 applications.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API’s and Spring Boot for microservices.
* Used swagger framework for rest API documentation.
* Used Spring JDBC templates for database interactions and used declarative Spring AOP transaction management.
* Implemented microservices architecture using Spring Boot for making the application smaller and independent.
* Implemented Kafka consumer and producer configurations to use for high-volume streaming with pub-sub model using multiple inheritance AVRO schemas with same topic.
* Deployed end to end event-driven microservices architecture using Apache Kafka and deployed with Kafka Elasticsearch.
* Designed and developed the agent portal using framework Angular 11 along with HTML5, CSS3, and TypeScript.
* Created TypeScript reusable components and services to consume REST API’s using Component based architecture provided by Angular 11
* Developed Angular 11 service for static selection (refence) data in the Angular 11 SPA has run block.
* Worked on custom URL has to land the user in the application.
* Implemented Angular 11 Router to enable navigation from one view to the next as agent performs application tasks.
* Designing complex application Oracle database statements for querying, updating, and reporting.
* Worked on developing Restful endpoints to Cache application specific data in in-memory data clusters like Redis.
* Used spring data JPA with default implementation of hibernate ORM for database connectivity to abstract the complex configuration involved with connection management.
* Set up Kubernetes clusters, achieving automated scaling and load balancing. Deployed microservices with Helm charts, simplifying deployment and management. Configured replica sets and load balancers, ensuring application availability and fault tolerance.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Deployed the Application into Docker container and made easily accessible at runtime using cloud services like AWS, Netflix Eureka, Spring Hystrix as fallback method, Spring Ribbon for load balancing and a broker service to maintain status using Spring Kafka and Zookeeper
* Deployed and managed Azure Virtual Machines to host web applications and databases, achieving a 20% reduction in infrastructure costs.
* Configured Azure DevOps pipelines for automated application deployment, streamlining the release process and reducing deployment errors by 30%.
* Implemented Azure Active Directory for user authentication and access control, enhancing security and compliance.
* Collaborated with cross-functional teams to design and deploy scalable Azure solutions that met client requirements.
* Created AWS EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Used Log4J API for logging and debugging.
* Spearheaded a unit and integration testing initiative for an Angular 11 project using Jasmine and Karma, achieving over 90% code coverage and reducing bugs by 25%
* Proficient in developing and maintaining Java applications on the mainframe platform, leveraging the strengths of z/OS, CICS, and DB2.
* Skills at using testing tools such as Postman, Jest, Enzyme, JUnit, Apache JMeter and debugging tools such as ES Lint, Redux Dev Tools and Chrome Developer Tools.
* Followed Test Driven Development and written test cases using Junit for every relevant class.
* Worked with several testing frameworks such as Junit and Mockito.
* **Environment**: Java 11, Maven, Hibernate, React JS, HTML, Kafka, Apache Tomcat, Json, Java Script, Spring, Spring ribbon, Oracle, Mongo DB, JDBC, Eclipse, JUnit/Mockito, JMeter, Selenium, Jenkins, GitHub, Docker, Log4j, AWS EC2.

**Client: Bank of America, Charlotte, North Carolina. Jan 2021-Feb 2022**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Involved in SDLC requirement gathering, analysis, design, development, testing and deployment of applications by using Agile (SCRUM) methodology.
* Develop rich user interface SPA by using Angular 9.0, Typescript, HTML, CSS 4, and material framework.
* Used RxJS operators for handling data from multiple streams to maintain the sequence and their dependencies.
* Used Fork join for combining async response calls and display the results in the frontend.
* Developed using new features of Java 1.8 annotations, Generics, enhanced for loop and Enums.
* Used Java 8stream API for bulk data operations on collections using both Streams and Parallel Streams.
* Spearheaded the adoption of CMMI Level 3 practices, resulting in a 40% reduction in defects and a 25% increase in project delivery efficiency.
* Integrated third-party libraries such as Angular Material, NGX-Bootstrap, and PrimeNG to enhance Angular 11 applications' visual appeal and functionality.
* Utilized Web Workers for background processing, enhancing application performance and responsiveness. Refactored codebase to use ES6 import/export, improving code modularity and reusability. Implemented WebSocket connections for live updates, providing real-time data synchronization.
* Added WebSocket support for live data, enhancing real-time dashboard updates. Developed efficient resolvers for nested data, reducing API response time by 30%. Federated schema design across services, simplifying API consumption and integration.
* Implemented robust metrics and measurement systems to track and analyze key performance indicators, enabling data-driven decision-making for process improvements.
* Conducted comprehensive process gap analyses and provided tailored recommendations, resulting in a 50% increase in process maturity within the first year.
* Facilitated regular internal and external process audits, ensuring continuous compliance with CMMI Level 3 requirements and consistently achieving high audit ratings.
* Integrated OAuth with identity provider (IdP), providing seamless SSO experience. Configured OAuth clients for web and mobile apps, enabling secure access for multiple clients. Defined and enforced OAuth scopes, improving access control and security.
* Created E1 Test and E2 Test environments for Unit, sanity, functional and performance testing, replicated all applications in OpenShift.
* Implemented JWT with enhanced encryption, increasing token security and user trust. Encoded roles in JWT payload for role-based access control, simplifying access control. Implemented JWT issuance after OAuth authentication, enabling secure third-party logins.
* Worked on Openshift platform in managing Docker containers and Kubernetes Clusters and Created Kubernetes clusters using ansible playbooks (launch-instan deploy-docker.yml, deploy-kubernetes.yml) on Exoscale.
* Led the establishment of CI/CD pipelines for a complex microservices architecture, resulting in a 40% reduction in integration challenges and a 30% increase in deployment success rate.
* Implemented robust security measures within CI/CD pipelines, ensuring compliance with industry standards and achieving a 25% reduction in security vulnerabilities.
* Integrated automated code scanning and static analysis tools into the pipeline, reducing code review time by 50% and enhancing code quality.
* Orchestrated seamless deployment rollbacks and blue-green deployments, minimizing downtime and ensuring uninterrupted service availability.
* Collaborated with cross-functional teams to define and implement automated testing strategies, leading to a 20% increase in test coverage and a 15% reduction in regression defects.
* Managed Openshift master, nodes with upgrades, decommission them from active participation by evacuating the nodes and upgrading them.
* Wrote Ansible playbooks which are the entry point for Ansible provisioning, where the automation is defined through tasks using YAML format. Run Ansible Scripts to provision Dev servers
* Design and develop Microservice business components using Java, Spring Boot, Spring Security, Spring Batch, Spring Data JPA and implement REST Web services based on RESTful APIs.
* Ability to write Spring Batch jobs for updating bulk records at specified intervals of time.
* Used OAuth 2.0 along with Spring Security Framework to securely expose our API’s by mandating the access token when client wants to access our resources. Considering security aspect used implicit/ API grant type.
* Implemented fail-safe and Circuit Breaker patterns in Spring Boot Microservice applications using Hystrix and configured Swagger-UI to register Microservices with Eureka Server.
* Experienced in using Spring Feign Client for establishing HTTP communication between Microservices.
* Used Spring Boot Actuator for monitoring and managing applications that are running in Production.
* Experienced in using the Spring Data JPA framework to interact with the database and do CRUD operations.
* Spring Config Server is used for externalizing configurations in a distributed system by encrypting and decrypting the property values for security and easy maintainability.
* Wrote Restful Web Services to communicate with MongoDB.
* Worked with NoSQL database MongoDB and created pipeline from MongoDB Cluster.
* Experienced in designing and development of Feature Toggles by using Spring Framework to enable or disable certain features in production without deploying code and providing dark launch capability to app owners.
* Publish, promote, and manage the APIs in a secure and scalable environment by using Apigee gateway.
* Worked on building proxies and policies with in APIGEE along with security frameworks.
* Experience in migrating the AWS RDS database to host on EC2 instance for enhanced cost savings.
* Experience in working on cloud-specific AWS technologies including IAM, Simple Storage Services (S3), Elastic Bean Stalk, Virtual Private Cloud (VPC), RDS and Cloud Watch.
* Involved in deploying systems on Amazon Web Services (AWS) Infrastructure services EC2.
* Involved in the configuration and administration of AWS (Amazon Web Services), EC2 (Elastic Cloud Computing) resources such as instances, EBS volumes, snapshots, elastic load balancers.
* Played a key role in modernizing legacy mainframe applications by incorporating Java-based solutions, resulting in increased efficiency and cost savings.
* Implemented optimal partition key strategy, enhancing data distribution and access speed. Developed Lambda functions for CRUD operations, enabling serverless data processing and reduced costs. Configured encryption at rest and in transit, protecting sensitive data and meeting compliance requirements.
* Implemented Kafka Producer and Kafka Consumer in Microservices to ensure real time data flow.
* Monitor server logs to support production activities with the help of Kubernetes logs and Splunk cloud logging.
* Used MongoDB for uploading and retrieving files in our Spring Boot microservice application.
* Experienced in writing Deployment, service, and ingress objects for deploying our application into Kubernetes.
* Used Jenkins CI/CD pipelines to build all our applications to Docker registry and then deployed to Kubernetes.
* Ability to write the unit test for frontend by using Karma and Jasmine framework and writing the integration test cases by using the Protractor test cases.
* Contributed to the Angular community by writing articles on advanced Angular 11 topics and providing solutions on Stack Overflow
* Integrated Jenkins with Kubernetes for deployments, achieving continuous deployment and reduced release times. Configured resource limits and requests, improving resource utilization and application performance. Configured Calico for network security, enhancing security of inter-service communication.
* Implemented Azure Content Delivery Network, enhancing content delivery speed and user experience. Configured secure Blob Storage with encryption, protecting data and meeting compliance standards. Set up Azure DevOps pipelines, achieving continuous integration and faster releases.
* Wrote the unit test cases for server-side applications by using the Junit5 and Mockito framework.
* Experience in creating the performance tests using JMeter and uploaded scripts in Blaze Meter.
* Experienced in writing the integration tests by using the Spring MVC Test Framework and H2 database.
* Developed logging module using Log4J2 to create log files to debug and trace application.
* Responding to production issues, daily application maintenance, incident resolution and responsible for process improvement, application monitoring strategy, and overall application stability.
* Maintain the progress of issues worked on /in-progress status in JIRA.
* Participate in approving the Pull Requests and weekly code reviews to ensure the Code Quality.
* **Environment**: Java 8.0, Angular, Spring Boot, Spring Security, Eureka, HTML/CSS/Typescript, Material, Web Services, IntelliJ, APIGEE Edge, Gradle, GIT, Contrast, Accessibility, Tomcat, Apache Kafka, MongoDB, AWS, Kubernetes, Docker, Concourse, Junit 5.0, Protractor, Karma, Jasmine, Jira.

**Client: Comcast, Philadelphia, Pennsylvania. Jun 2019– Jan 2021**

**Role: Full Stack Developer**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, and testing.
* 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.
* Implemented GraphQL with custom query capabilities, enhancing mobile app performance. Enabled GraphQL Playground and documentation, improving developer productivity. Consolidated multiple REST endpoints into one GraphQL API, improving efficiency.
* Implemented middleware for authentication and authorization, enhancing security.
* 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 Node JS.
* Implemented core features of AngularJS framework such as dependency Injection, Databinding, Filters, Directives, Templates, Services and Deep Linking Designing.
* Used Java 8 features like stream and Lambda expressions.
* Maintained Interface compatibility and concurrency in the project using Java 8 new features like default, static methods and Concurrency API.
* Used Java 8 Method References feature to point to methods by their names and used functional Interfaces.
* 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.
* Developed JWT-based session handling, simplifying session management and improving performance. Integrated JWT in mobile authentication flows, providing secure and efficient mobile authentication. Switched from server-stored sessions to JWT, eliminating server-side session storage.
* Set up token expiration and refresh mechanisms, meeting security compliance and improving token management.
* 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's by implementing Oauth2 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.
* Developed custom validation logic and UI feedback, improving data accuracy and user experience. Tested and fixed compatibility issues, providing consistent user experience across browsers. Implemented Redux for state management, simplifying state handling and improving application architecture.
* Implemented TypeScript interfaces and generics, achieving scalable, maintainable, and type-safe code.
* 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.
* Developed the monolithic application and involved in migrating existing monolithic application in to Micro Service Architecture based RESTful Service and deployments were done on AWS.
* Designed and developed Micro Services business components using Spring Boot.
* Hands on Coding to build REST Micro Services using Spring Cloud, Oracle, XSD, JSON, Spring Config, Cloud Foundry and Jenkins.
* Set up data pipelines and analytics with Azure Data Lake and Synapse, enabling comprehensive data analysis. Configured autoscaling for Azure services, handling peak traffic seamlessly. Configured Azure AD for single sign-on, enhancing security and simplifying user management.
* Implemented API gateways and policies with Azure API Management, simplifying API management and improving security.
* Responsible for creating an instance on Amazon EC2 (AWS) and deployed the application on it.
* Installed, secured, and configured AWS cloud servers and Amazon AWS virtual servers (Linux).
* Worked on AWS services to deploy static websites and dynamic Web Apps on EC2 using Elastic Beanstalk and Elastic Container Service-Docker.
* Set up streams and event handlers, enabling real-time updates and analytics. Created and optimized Global Secondary Indexes (GSIs), enhancing query flexibility and performance. Configured auto-scaling policies, maintaining performance and cost-efficiency.
* Used AWS Database Migration Service (DMS) for data migration, achieving minimal downtime.
* Involved in creating EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Used AWS Cloud Watch to monitor the application and to store the logging information.
* Used Kafka to handle data pipeline for high speed filtering and pattern matching on the fly and monitoring data pipeline operations. This involves aggregating statistics from distributed applications to produce centralized feeds of operational data.
* Managed configurations and secrets securely with ConfigMaps and Secrets, simplifying configuration management. Deployed Prometheus and Grafana, achieving comprehensive monitoring and alerting. Configured Ingress controllers and rules, managing traffic routing efficiently.
* Configured rolling updates and canary deployments, achieving zero-downtime updates.
* Developed API’s to read and publish data from Elasticsearch cluster using native Java Transport client as well as REST client. Worked on Spring Integration with the Elasticsearch
* Focused on Test Driven Development there by creating detailed JUnit tests for every single piece of functionality before writing the functionality.
* Set up master-slave replication, ensuring data availability and fault tolerance. Defined primary keys, foreign keys, and checks, maintaining data integrity and consistency. Configured encryption and role-based access control, protecting sensitive data and meeting compliance requirements.
* Configured OAuth for Google and Facebook logins, enabling secure social logins. Implemented token storage with encryption, protecting tokens and improving security compliance. Set up refresh tokens and expiry policies, maintaining secure and efficient token management.
* Conducted security audits and applied best practices, achieving compliance and enhancing security posture.
* 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, Maven for build packaging and deployments of the application components.
* **Environment**: Agile methodology, Java, J2EE, Hibernate, Spring, XML, JSP, JAX-RS, Spring AOP, Spring security, Oracle, MongoDB, JSP, HTML, AJAX, JavaScript, jQuery, AngularJS, Docker, Kafka, GIT, JIRA, PL/SQL, STS, JUnit, Log4J, Maven, Jenkins, WebLogic Application Server, AWS IAM, EC2, S3, RDS, SQS

**Client: Morgan Stanley,** **New York, New York. Nov 2016 – May 2019**

**Role: Full Stack Developer**

**Responsibilities**

* Involved in End-to-End Design, Development and Testing of Streamlets module. Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Followed Agile and SCRUM methodologies.
* Designed and implemented the Single Page User Interface for client service module using Angular, HTML5, CSS3.
* Optimized the performance of applications using Angular Lazy Loading and ahead of time compilation. Extensively used Angular for databinding and developed controllers, directives, and filters and integrated with the backend-services.
* Created Services to consume REST API's and to communicate between components using Dependency Injection provided by Angular.
* Skilled in creating and maintaining JCL (Job Control Language) for batch processing on mainframe systems, enabling automated job scheduling and execution.
* Used Java 8 Stream API and Method References features to point to methods by their names and used functional Interfaces.
* Developed microservices with Spring and tested the application using Spring Boot.
* Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API’s and Spring Boot for microservices
* Worked on WSDL, Swagger and WADL implementing Soap services using Axis-2 and Apache CXF framework & Restful Services.
* Involved in development of Restful web services using MERN stack, MongoDB, Express React-Redux and Node JS.
* Developed and implemented dynamic filtering for restful webservices using Spring boot.
* Implemented the Project structure based on Spring MVC pattern using spring Boot.
* Used Jackson API to covert Java object to /from JSON.
* Developed a server-side application to interact with databases using Spring Boot and Hibernate.
* Eclipse RCP is used as a Java IDE tool for creating POJO, Servlets and Data Access Objects.
* Implementing or exposing the Microservices architecture with Spring Boot based Microservices interacting through a combination of RESTful and Apache Kafka message brokers.
* Implemented pre-authentication and database security using Spring Security and securing application access and Spring Batch for scheduling and maintenance of batch jobs.
* Implemented Spring ORM with Hibernate taking advantage of features like Annotation metadata, Auto wiring, and Collections to implement DAO layer with Hibernate Session Factory, HQL, and SQL.
* Wrote Hibernate configuration file, hibernate mapping files and define persistence classes to persist the data into Oracle Database.
* Setting up AWS Oracle RDS databases for new project, use data pump to migrate data to Relational Database Services (RDS).
* Experienced with RDBMS implementation and development using Oracle, My SQL, MSSQL and DB2
* Experience with DevOps methodologies, implementing CI/CD Pipelines using tool sets like GIT, Jenkins, and Chef.
* Setup the continuous Integration (CI) process and continuous deployment (CD) jobs in Jenkins’s brew master instance, which reduces the time for the deployment of micro services.
* Expert at handling Unit Testing using JUnit, Jasmine, Mockito, and Karma.
* Designed, configured, and deployed Amazon Web Services for many applications utilizing the AWS API gateway and ELK (Elastic search, Kibana, Logstash) stack focusing on high availability.
* Used GIT for version control and JIRA for bug tracking, project management and Maven as build tools.
* Used Spring Framework with Hibernate to map to Oracle and mapping using Hibernate Annotations
* **Environment**: Java 8, Maven, Hibernate, React JS, Angular JS HTML5, CSS3, RabbitMQ, Apache Tomcat, Json, Java script, Spring, Oracle, SQL, Spring JDBC, Eclipse, JUnit/Mockito, Karma, JMeter, Selenium, Jenkins, Chef, GitHub, Docker,

**Client: Broadcom, Palo Alto, California. Apr 2015 – Oct 2016**

**Role: Full Stack Developer**

**Responsibilities**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Involved on production support activities and performance tuning and process improvements.
* Worked on front end, business, and persistence tier using the JSP, Java Script, and hibernate frameworks.
* Involved in performance tuning of application, monitoring the end of day load and application behavior using JProfiler.
* Developed Micro services & APIs using Spring Cloud, Spring Security, Spring Boot, Spring Integration.
* Developed UI and interaction with Spring Boot REST Service.
* Developed Components, models, models and services using spring boot.
* Developed business validation classes using Spring Boot.
* Setting up the Configuration to connect to the services and change the default configuration using and Spring Boot.
* Integrated the components using Camel.
* Developed the code components to make Web Services calls to retrieve data from the backend components.
* Involved in Setting up the build, configuration and auto-deploy using Maven Build Tool.
* Involved in requirements gathering and related documentation.
* Developed Test cases using Behavioral Driven Development (BDD) methodology.
* Involved in defect fixing and worked on change requests.
* Involved in making web services calls to get data from the server.
* Involved developing role base code using LDAP
* Involved in Database design, writing SQL Queries, stored procedures in Oracle
* GGTS used as Java IDE tool for creating XML and Groovy (GSP)
* Deployed WAR, EAR and JAR files in JBOSS application server.
* **Environment**: Java, Java Script, Spring boot, Spring Security, Spring Cloud, Rest API, AWS, Oracle, Mongo DB, Jenkins, Maven, Git, Agile, JIRA.

**Client: Global Systems Private Limited, India Aug 2013 - Jan 2015**

**Role: Java Developer**

**Responsibilities:**

* Involved in Requirement Analysis. Preparing Requirement Analysis Document.
* Involved in preparing different Artifacts HLD, LLD using Activity Diagram, Sequence
* Diagram, Class Diagrams.
* Involved writing code for Request Processor class to extend the functionality of struts Controller.
* Applied patterns like Session Facade, Service Locator, Front Controller, Abstract Factory, Factory method, Singleton, Data Transfer Object etc
* Involved in writing code for Action Class, Business Delegate, Session Bean, Entity Bean and DAO.
* Developed Java End Point Service, EJB End Point Service, Secure Web services with RPC, Document Style and of Using Axis 1.3 and JBOSS.
* Developed web pages using Struts, JSP, Servlets, HTML and JavaScript.
* Designed and developed Service layer using Struts framework.
* Involved in designing and implementation of MVC design pattern using Struts framework for Web-tier.
* Developed presentation layer using struts tag libraries like logic, html, bean, etc in JSP pages.
* Developed web application using JSP, Struts Action classes and Struts Forms.

**Environment**: UML, Java, J2ee1.4, Struts, Axis 1.3, Open DTP Connector, EJB2.0, JSP, Webservices, Eclipse 3.2 PDE JBOSS 6.0,, JavaScript, Eclipse with Lomboz plug-in, Rational Rose, Jmeter, VSS, Oracle.