**NIKIL K**

**Java Developer**

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**SUMMARY:**

* 10+ years of experience in Java/J2EE development with a primary focus on backend development and an ample amount of front-end development.
* Certified **AWS solutions architect associate** with work Experience on AWS services like s3, EC2, IAM, RDS, AWS glue, Alexa, etc.
* Hands-on experience on Restful web services and **Restful API Development** using **microservices** architecture with the help of **Spring Boot** framework.
* Worked on front end development which includes experience on HTML, JavaScript and knowledge on react js
* Involved in scrum and agile methodology, pair programming, code reviews, demos, planning, retrospectives, and weekly deployments.
* Experience in Deployment of the spring boot applications in the pivotal cloud foundry by creating instances.
* Experience in **CI/CD deployment** by using **Jenkins pipeline** by integrating with the help of **Bitbucket**.
* proficient in writing the Junits, using junit 5, Mockito, and Power Mockito Frameworks. •
* Worked on Different frameworks on Spring like Spring Core, Spring AOP, Spring MVC, spring data Spring Cloud, Spring Boot, and Swagger for documenting the API.
* • Proficiency in the JDBC, ORM hibernate, JPA implementation, **java 1.8 , java 11**like functional interfaces and streams, Log4j,Logging,Core Java ,OOPS Concepts ,oracle 11g,post gres,SQL,MySQL and SQL server
* Monitored the API’s using CloudWatch and Worked on containerization using **docker** with the help of **Kubernetes** orchestration.
* Good knowledge on programming languages like C,C++ and practical Knowledge on Messaging and queuing by using **IBM MQ** and **Apache kafka**
* Worked on Different Architectural patterns like SOA, Monolithic and **Microservices** and design patterns like MVC, Circuit Breaker, Aggregator, Dependency Injection, Delegate, Façade , and Singleton in java
* Good knowledge on No-sql databases like Cassandra. worked on build tools like maven and ant , IDE ‘s like eclipse ,NetBeans and Intellij with tomcat and WebSphere application servers.
* Worked on DB Migrations and spring boot upgrades.
* Documented the Rest API’s using the Swagger UI and A

**Certifications and Achievements:**

**AWS Certified Solutions Architect**

**Associate Validation Number:**Y2TXPBHKCBE4QH35

**Validate at**: http://aws.amazon.com/verification

**TECHNICAL SKILLS** :

**Java:** Core Java, java8,XML,JSON.

**J2EE:** Servlets, JSP, JDBC, JNDI, JSTL, Custom Tag Libraries, JMS, XML, Web Services, SOAP and Rest

**Cloud:**AWS,cloudfoundry,s3,ec2,IAM.

**UI Frameworks/Technologies:** JavaScript, JSF, HTML5, Angular 6, reactJS , NodeJS

**Backend Frameworks:** spring, Struts ,EJB, spring core, spring MVC ,Hibernate, JPA,and spring boot

**Testing Frameworks:** Junit4 , Mockito and power Mockito

**Application Servers:** Apache Tomcat, WebLogic and IBM Web sphere

 **DBMS:** Oracle 9i/10/11/12c, MS SQL Servers, MySQL, and Database Management System, IBM Data Studio

**IDE Tools:** Eclipse, NetBeans, ,STS ,RAD and Intellij

**CI/CD and Container:** Jenkins ,concourse, docker

**API Tools:** SOAPUI, AKANA, Postman,Swagger,APIGEE Edge

**Web Tools:** WebEx and VPN

**Build Tools:** ANT, Maven and Gradle.

**Version Control Tools**: Harvest, GitHub and Bitbucket.

**Operating Systems:** Linux (Red Hat), Windows 2000/NT/2007/XP/Vista, UNIX (Sun Solaris).

**Tools/Others:** Putty , WinSCP , Control-M, Cassandra, Kafka, Splunk ,confluence ultra-edit ,Safe net, Netcool, service now, control-m, UC-build, uc-deploy and utility belt.

**EXPERIENCE**

**M AND T BANK APR2022 –:Present SOFTWAREENGINEER III**

**Roles and Responsibilities:**

* Developed the API’s for Team view relationship using spring boot framework and microservices architecture.
* Upgraded all the Repositories to Spring Boot 3.0, java17 and rewritten all the necessary code in java.
* Converted all the DTO classes using lombok to make it cleaner.
* Worked on SQL Server DB MIgrations
* Worked on 24\*7 support to resolve the incidents and tickets.
* Set up a pipeline in the Gitlab CID and created new stages.
* Managed application state using services and state management libraries like NgRx or Akita.
* Integrated RESTful APIs and GraphQL services to fetch and manipulate data.
* Automated the veracode scan process using the git lab pipeline to avoid breaches and vulnerabilities.
* created the stages in the pipeline to restart and kill the pods in the openshift cluster.
* Automated the test cases using selenium framework using chrome driver.
* Written the unit test cases using Junit 5 and mockito framework
* Deployed the services in the AWS cloud
* Monitored the logs in the Dynatrace, kibana and openshift.
* Set up the configurations in the Openshift using spring boot deployment.yaml file.
* Created the SSRS reports using SQL procedures.
* Created the Docker file to perform the build process and copy the jar from artifact location
* Used STS as IDE, maven as Build Tool
* Created the Watchers in Kibana to generate the alerts in real time in case of failures.
* Intercepted the Json requests to change the request body using spring MVC interceptors to make it generalize to every API by using Json path and logged the requests using spring AOP.
* Implemented the logging level and log back to capture the logs and Utilized AWS services like IAM, Lambda and VPC.
* Created db. instances in the cloud foundry and monitored the API’s using aws CloudWatch.
* Implemented the Swagger for documentation purposes in spring boot
* Created the entity classes in java using the Hibernate framework.
* Implemented OAUTH2,JWT for authorization in the spring boot
* Involved in the deployments activities and validation activities

**Environment** :Gitlab, GIT, Spring boot , Microservices, Java 17 , Java 8, Dynatrace, Kibana, AWS, JSON,Rest services, API’s, NodeJS, Swagger, Mockito, Junit , AOP, SQL,Docker, CICD,Postman,Kafka, MVC, SQL Server, log 4j, Lambda, VPC, veracode, jenkins,scrum , agile .XML, SOAP UI ,STS,Maven,Hibernate,JWT,OAUTH2.

**Tata Consultancy Services Sep2019 – Apr2022**

**Athene Annuity insurance**

**Java fullstack Developer**

**Roles and Responsibilities:**

* Developed Restful APIs based off micro service architecture with the help of spring boot framework. (Backend)
* Created Generic exception handler class for all the rest services.
* Used Jackson Binding for parsing the Restful Data in JSON Format.
* Migrated Existing old SVN projects to the git and used git as VCS.
* Used IntelliJ as IDE and maven as build tool.
* Configured Angular Router for navigating between different views and managing route parameters.
* Created reusable and maintainable UI components using Angular’s component-based architecture.
* Worked on Kafka and AWS as part of the innovation sprint. (Messaging )
* Worked on 24\*7 Prod support by resolving the incidents, Job failures etc. (prod support )
* Migrated the ETL jobs to AWS cloud using AWS glue (Cloud)
* Created the new pipelines in Jenkins, containerized and orchestrated the existing applications. (Devops)
* Monitored the API and applications using catchpoint and APP dynamics.(Monitoring )
* Involved in the Design discussions, Major incident calls, Code reviews and Demo’s
* Created Custom Alexa skill and lambda function’s in AWS to invoke the Rest java microservice of the application and performed end-end testing (cloud)
* Created different intents and utterances in Alexa using spring boot.
* Worked on POC with concepts of java 11 ,AWS etc.

**Environment** :STS,RAD, kibana JAVA 1.8, Spring Boot, Spring MVC, Restful API’s, Maven, ORM, Hibernate, JPA, SQL Server, Soap UI, NodeJS, Servelts,Akana,J2EE, outlook, lync,JDBC ,log4j ,Scrum ,Agile, Jenkins, CI/CD,AWS Console, AWS Developer, Alexa Skill, S3,EC2, Lambda, IAM,API gateway,OAUTH2.0,MicroServices ,pivotal cloud foundry,jax-rs ,XML, JSON,

Postman, JSP ,Linux, Unix, and GitHub.

**SDLC Partners Dec 2018- Aug 2019**

**Client: Dicks Sporting Goods, PA**

**Consultant, Java full stack Developer**

**Roles and Responsibilities:**

* Worked on Microservices Architecture and Developed micro services using Restful webservices in java8 With spring boot framework with involvement in every phase of SDLC using Agile .
* Developed reactive forms and template-driven forms for user input and data validation
* Created the config server to make use of external properties across the numerous environments.
* Implemented the circuit breaker pattern to divert the requests to other service by achieving the fault tolerance by using hystrix.
* Handled the exceptions in the controller by using controller advice class to increase the readability.
* written mvc and spring boot tests using junit 4, reflection, Mockito and power Mockito. • Involved in pair programming and architectural discussions and Interacted with Business analyst and Architect on the Requirements, demo’s etc.

**Environment :**spring boot, APIGEE, microservices,sonarcube,control-m, putty ,intellij, STS, JAVA 1.7, 1.8, Junit,AKANA API, Maven, Restful API’s, power Mockito, Mockito, Reflection API, Soap UI, JDBC, Splunk, CloudWatch, AkanaAWS s3, ec2, VPC ,Html, CSS, JavaScript lambda, reactjs, angular js, API, log back, JSP, servlets, TDD cloud foundry, concourse, Jenkins, docker , log stash, AUTH 2.0 ,confluence, spring mvc, spring AOP, spring rest, spring JPA ,Jira, pivotal cloud foundry,

pivotal tracker and JSON Path.

**SDLC Partners Jan 2018- Dec2018**

**Client: Highmark, Pittsburgh, PA**

***Consultant, Java Developer***

**Roles and Responsibilities:**

* Implemented APIs using restful web services as part of backend development by using microservices architecture and implemented persistence layer using hibernate with help of maven build tool, spring boot, java8, IntelliJ IDE , GitHub, and AWS cloud deployment.
* Integrated Git into CI/CD pipeline Jenkins to automate the code check-out process and Written SQL Scripts.
* Worked on JUNIT Testing, Mockito, Power Mockito, and Written Test cases as part of TDD and used sonar cube, sonar lint for code coverage, quality gate check, and other issues.
* Created instances for DB in pivotal cloud foundry and deployed the code • Implemented spring security using oauth2 Authentication and documented using swagger.
* created Ec2 instances in AWS, created tables, and enabled logging for API’S
* Worked on production issues, deployments, and releases as part of agile and Monitored the pipelines and API’s.

**Environment :**

Intellij,Ec2,AWS,Jenkins,Docker,Tomcat.Agile,Scrum,Rest,Microservices,Hibernate,TD D,junit,POJ O,DTO,DAO,oauth2,git,power Mockito, Mockito, lambda, java 8,logging,kafka,springmvc,springboot,pl/sql,mysql,javascript,JSp,servelts,Xml,jsonCI/C D,Swagger UI ,Maven and sonar cube.

**Cognizant Technology Solutions**

 **Client: United Bank of SwitzerlandAug. 2015 – Dec 2016**

***Software Developer***

**Roles and Responsibilities:**

* Worked on Restful API using spring boot and migrate Web applications from the current on-premise environment into AWS.
* Creating different S3 buckets in AWS and write Lambda to move files from S3 to an instance and FTP server to S3 AWS and Load balanced using Autoscaling in AWS.,
* Used postman as Rest client and exchanged data using XML and JSON format using object mapper and performed unit testing using Mockito and JUnit.
* Worked on Dependency Injection, Singleton, and MVC design patterns in java and used Maven as build tool and eclipse as IDE.
* Created Batch jobs in java using Spring Batch and Used control-m to maintain the batch jobs

**Environment:** JAXB, JSP, HTML, CSS , Postman , S3, IAM, VPC, Ec2, AWS, JavaScript, Hibernate , JDBC, XML,JSON, Intellij, Eclipse, Tomcat, EC2, Singleton, MVC, Spring boot, control-m, putty, FileZilla, WinSCP, oracle Developer Suite, oracle 11g, PL/.SQL,POJO, Spring core, spring boot, Spring MVC, Dependency Injection, FTP, SSH, Linux, Unix, Rest, Jersey, Java, ORM, hibernate,

GitHub and Maven

**Swarkshara infotech Pvt ltd ,Hyderabad, India May 2013 - Jul 2015**

***Software Developer***

* Design, development & implementation of Java-based enterprise applications employing the agile development methodology and using the JAVA/J2EE technologies.
* Used Eclipse IDE and IBM WebSphere 8.5 application Server. • Developed backend logic using EJB, Struts, JDBC, and Implemented service method and SQL queries, to interact with Oracle DBMS
* Written JUnit to test the code and used NetBeans As IDE.
* Involved in production issues, configuration issues and remediated them in stipulated time.

**Environment:** OOPS**,**JSP, HTML, CSS , JavaScript, JDBC, XML,JSON, Eclipse, Tomcat, Singleton, NetBeans, MVC, Struts, Junit,control-m, putty, FileZilla, WinSCP, oracle Developer Suite, oracle 10g, PL/.SQL,POJO, FTP, SSH, , servlets, Java, XML, Jackson, ORM, hibernate,

linux,unix,Github and Maven.

**Education:**

* Masters in computer science in university of central Missouri with 3.4 GPA from Jan2017- May 2018
* Bachelors in Electronics and communication engineering with 3.3 GPA Sep2010-May 2014