**Nikitha Gangapuram**

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**Professional Summary:**

* Experience using **Java/J2EE** in Software Development Lifecycle (**SDLC**) including Analysis, Design, Development, Implementation, Testing and Deployment of Object Oriented, Client-Server, Web-Based, Distributed and Enterprise applications.
* Extensive experience in designing and developing multi-tier enterprise applications using **Java**,**J2EE related technologies** such as Spring **Boot**, **Micro Services, Spring, Spring Core, Spring MVC, Spring Data, Spring Batch, Spring Security and Apache Struts Framework.**
* Proficient experience in implementing the **Hibernate, JPA** ORM framework.
* Expertise in building Web User Interface (UI) using **Angular 7,9,10,13,14,HTML5, Typescript, CSS3, nodeJS, XHTML, JavaScript, jQuery, JSP, Bootstrap, AJAX, Typescript, XML, JSON, JavaScript, HTML, SOAP, & REST API's**.
* Strong Knowledge on **Java 1.8,11 and 17** versions.
* Implemented Kafka Producer and Consumer applications on **Kafka** Cluster setup with the help of **Zookeeper**
* Experience in implementing **SOAP and REST Web Services**
* Working knowledge in deploying and managing applications on **PCF, AWS** ensuring efficient resource utilization and seamless scalability
* Experience working with **AWS S3, EC2, ECS, Elastic Beanstalk, EKS, EMR, SQS/SNS, AWS Lambda** including entitlement and IAM policy.
* Experience with deployment in the **AWS cloud**.
* Experience on using various debugging profiles like **jprofiler, visualvm**
* Implement Spring Security with **Oauth2 and JWT tokens**
* Troubleshooting issues with SQL, PL/SQL scripts and tuning SQL queries and scripts
* Good exposure on **Design Patterns**
* Good exposure on using IDEs like **Eclipse, STS (Spring Tool Suite), VSC (Visual Studio Code) and IntelliJ**
* Experience developing with application servers **Apache Tomcat, JBOSS, Web Sphere**
* Having good exposure on **Oracle, MySQL and MongoDB**
* Good experience on **Apache Kafka, Apache Spark and ActiveMQ broker**
* Having good exposure in **Docker and Kubernetes**
* Having good experience in writing test cases using **junit and mockito**
* Having good experience in writing UI test cases using **Karma** and **Jasmine**
* Experience in working on source control tools such as **GIT, SVN, CVS, GitHub, Bit bucket and Source Tree**
* Experience with Integration tools such as **Jenkins**
* Good experience in using the tools like **SQL Developer, DB Visualizer, TOAD, putty and WinSCP**
* Experience in build tools like **Ant and Maven**
* Working experience using code quality tools like **SonarQube, Checkmarx and AppScan**

**Education**

Bachelor of Technology JNTU, Hyderabad, India

Webster University Master’s Degree, computer science

**Certifications:**

Microsoft Certified: AZURE Administrator Associate.

**Technical Proficiency**

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| Java/J2EE Technology | Java 8,11,17 J2EE, JSP, JDBC, Servlets, JavaScript, XML, Web Services (SOAP, JAX-RPC, JAX-WS, JAX-RS, WSDL, XSD), REST API,Log4j |
| Frameworks | Microservices, Spring Boot, Spring Core, Spring MVC, Spring Data, Spring Batch, JPA, Hibernate, REST API, Struts 1.1, Angular 7,8,9,10, 13 |
| Messaging System | Apache Kafka, RabbitMQ |
| Version Control | SVN, CVS, GIT |
| Database | Oracle, SQL Server, MySQL, mongo DB, AWS Aurora |
| Cloud | AWS, PCF (Pivotal Cloud Foundry), Kubernetes |
| Web/Application Servers | Web Sphere, Apache Tomcat, JBOSS, WebLogic |
| IDE | Eclipse, STS (Spring Tool Suite), IntelliJ IDEA, RAD |
| Database IDE Tools | Toad, SQL Developer, Mongo Compass |
| Build Tools | Ant, Maven |
| Operating Systems | Windows, UNIX, Linux |
| Testing Tools | JUnit, Mockito, SOAP UI, Firefox plug-in |
| Reporting Tool | Crystal Reports, ALM Defects Tracking Tool |
| Ticketing Tool | ALM, JIRA, Service Now |

**Professional Experience:**

***Role: Senior Java Developer.                                                                                 August 2023 – Present***

***Client: Quest Diagnostics, NJ***

***Quest Diagnostics:*** Developed a robust Java application that involves addressing specific problems. The application will utilize Java's core features and libraries. Designed and implemented infrastructure to manage development and scaling with CI/ CD pipelines for automated provisioning in managing scalable, reliable and secure cloud infrastructure.

***Responsibilities:***

* Designed and implemented a **SPA** (Single Page Application) in **Angular** which consume **JSON** from a **Spring MVC**.
* Involved in development and maintenance of the website using **Angular**, **CSS, Ajax**, and **HTML, JavaScript.**
* Implemented **Restful** web services **API** using **HTTP** and **REST** principles.
* Designed and executed comprehensive web solutions using **Spring MVC** and **Spring Boot**, optimizing for performance and user responsiveness.
* Implemented robust security solutions using **Spring Security**, implementing fine-grained access control based on user roles and permissions.
* Worked on **Micro services** Architecture, for building on Spring Boot communicates through a combination of **Restful API**.
* Developed REST service documentation using Swagger UI and developed test cases using Junit and Mockito.
* Managed the company's AWS infrastructure, overseeing the deployment and scaling of EC2 instances, RDS databases, and **Elastic Load Balancers** to support a high-traffic website.
* Collaborated with DevOps teams to implement CI/CD pipelines using **AWS** Code Pipeline and **AWS** Code Deploy, leading to faster and more reliable software releases.
* Supported the deployment and management of **AWS S3** buckets for data storage and collaborated with clients to set up data lifecycle policies.
* Worked on developing and leading new modules, enhancements and change requests, post production release activities.
* REST Services were documented using **Swagger** for clear understanding
* Write test cases using Junit, Mockito including unit tests and integration tests for the business and service layers
* Configured **checkmarks** and **SonarQube** for security scanning and uploaded scan results
* Experience in AWS cloud infrastructure database migration, PostgreSQL and converting existing ORACLE and MySQL server databases to PostgreSQL, MySQL and Aurora
* Experienced first-hand the best/worst practices for integrating **micro services** into existing system architecture.
* Worked on **ELK** (Elastic, Logstash and Kibana).
* Implemented the UI test cases using **Jasmine and Karma**
* Experienced in working with UI/UX designers using Angular.
* Performance testing and load testing were executed with **BlazeMeter,** while JVM metrics were gauged using **Jstack/Jstat** and **Visual VM**.

**Environment**: Angualr14,J2EE, Java8,Spring Boot, Micro services, HTML, CSS, Ajax, Angular UI, JavaScript, Node.js, Bootstrap, OOPs, Oracle, Spring, JPA, AWS, PL/SQL, REST API, Docker, Apache, Maven, JUnit, Splunk, Jenkins, Mockito

***Role: Senior Java Developer.                                                                            November 2021 – June 2023***

***Client: Egen, Naperville, IL***

***Responsibilities:***

* Involved in **(SDLC)** Requirement Analysis, Design and Develop and Implement the application using J2EE technology.
* Web application development using **Angular, Bootstrap API, Material API** and **AG Grid**
* Develop the **Angular** components, Services, Directives, Pipes.
* Developed WebServices for applications using **RESTfulWebServices**
* Write UI test cases using **Jasmine/Karma**
* Used **Junit** to write unit tests and integration test- used **Mockito** to mock objects
* Integrated the application with **Spring framework** for implementing Dependency injection and provide abstraction between presentation layer and persistence layer.
* Used **Jenkins** for Continuous Integration Builds and Deployments (CI/CD).
* Created a build environment for java using **Jenkins**, **Git**, **Maven**, **Artifactory** and a number of reporting tools
* Used **Spring Framework with Hibernate to map to Oracle 17gdatabase and mapping using Hibernate Annotations.**
* Used **Postman** for testing the REST endpoints locally.
* Used Angular-Router to turn application into **Single Page Application**

**Environment:**Java 1.8,Java 17, Spring 3.5,Angular 10, GIT (Stash), Source Tree, Spring Framework, HTML 5, CSS3,OOP, REST web services, junit, Hibernate, XML, Jason, Jenkins, GlT, Jira, DB2,Splunk.

***Role: Senior Java Developer.                                                                           October 2019 – August 2021***

***Client: Honeywell Forge.***

***Responsibilities:***

* Involved in Design, Development and Support phases of Software Development Cycle (**SDLC**).
* Used **agile** software methodology to develop project plans.
* Created a build environment for java using **Jenkins**, **Git**, **Maven**, **Artifactory** and a number of reporting tools
* Developed the test cases with **Junit** for unit testing of the built components.
* Implemented J2EE design patterns – **Singleton**, **Abstract Factory**, **Factory**, **Front Controller**
* Product design and development using **Java/J2EE technologies, Angular, Node JS, REST Web Services, SOAP Web Services, Hibernate, Oracle, HTML 5, CSS 3**
* Creating and Executing test scripts for regression testing of web application using **selenium &cucumber**.
* Experience in Cloud plot-forms like AWS (amazon web services)
* Worked on **Swagger API** and auto-generated documentation for all **REST** calls.
* Worked on **postman** and **ARC** to test **REST** service calls.
* Created mocking services for testing in QA Dev environments.
* Orchestrated **CI/CD** processes by responding to **Git** triggers, human input, and dependency chains and environment setup.
* Worked with senior staff developing new and maintaining existing software using Oracle, SQL Server.

**Environment/Tools:** Java/J2EE, HTML5, CSS3, JavaScript, Angular, Node JS, Gitlab, CI/CD pipeline, Docker, Swagger, SonarQube, Spring boot, REST, Eclipse, VS Code, MSSQL, Postman, Kibana, Splunk, JSON, JIRA.

***Role: Senior Full Stack Developer.                                                            October 2016 – September 2019***

***Client: Tech Mahindra Ltd.***

***Responsibilities:***

* Hands on experience in **Angular 7**, **Python**, **Node JS**, **Java 8**, MySQL, Unix and Linux. Involved in
* Designing, Developing, Testing of the **NAD** (New Age Delivery) application.
* Worked extensively in User Interface of NAD application Devised a cost estimator that reduced the financial report preparation time by 63% by automating the entire process and leveraging Python, SQL, HTML5 & CSS3
* Involved in development of pods in NAD such as UaaS (Upskilling as a Service), **DTaS**(Design Thinking as a Service), **DiCD**(Digital inside Continuous Delivery), MePS(Micro Service enabled Portfolio Services) using Java 8, Angular 7.
* Provided training and support on **AWS** services and containerization practices to team members.
* Enabled proactive incident management by utilizing CloudWatch for logging and monitoring.
* Experienced in Big Data Technologies, Software Development Life Cycle (**SDLC**), Agile Methodologies.
* Integrated third-party libraries and APIs to extend the functionality of Java application and streamline development processes.
* Used Maven as build and configuration tool and **Jenkins** for a continuous integration tool.
* Used **JIRA** to keep track of the work in progress and managing backlog.
* Professional in designing, developing, and enhancing automated test scripts for Selenium using Python.
* Experienced in Working on the server side of the application using **Java 8.**
* Excellent working knowledge of designing & implementation of detailed technical specification, business requirements and unit test report documents.
* Used the High charts Java Script library to develop charts, maps, and graphs on UI pages.
* Actively Involved in testing process and performed Unit testing and System testing.
* Used the Apache tomcat as deployment server.
* Worked as an Application developer to implement business logic using various MEAN stack and deployed successfully in production. Have been part of the offshore team. I have worked in development to validate Business results.
* Involved in deploying the application on development and Staging environments.
* Proficient in communicating with the project teams and clients.

**Environment:** Angular 7, Python, Node JS, Java 8, Aws, MySQL, Unix, Linux, Python, Jenkins, JIRA, HTML5, CSS3, Bootstrap, Java Script, Apache tomcat.