**NASIRUDDIN**

**(Java Full Stack Developer)**

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# SUMMARY

* Over 10+ years of Full Stack Development experience, working with Micro services, developing responsive web applications and DevOps knowledge as well Strong background in Java/J2EE environments.
* Worked extensively on J2EE for developing Web and Distributed Applications by using JDBC, JSP, Servlets, Hibernate, Struts and Web Services.
* Responsible for creating and maintaining architecture for Restful API using Spring Boot.
* Strong experience with Java concepts like Exception Handling, Collections, Multithreading. Played around with Synchronized collections and Concurrent Collections.
* Knowledge of developing single page web applications by using Angular with typescript/ES and jQuery and working knowledge on HTTP access control CORS to enable cross-origin resource sharing in the project.
* Experience creating Typescript reusable components and services to consume REST APIs using Component based architecture provided by Angular7, Angular 11.
* Strong understanding of Object-Oriented concepts like Inheritance, Polymorphism, Encapsulation etc. Have been practicing the SOLID principles for the application development.
* Used Spring Boot Actuator to monitor and manage the application in production environment.
* Proficient in Mule Soft Any Point API platform on designing and implementing Mule APIs. Strong working knowledge on API Gateway.
* Experience in developing web, enterprise and SOA applications using Core Java, OOAD, Multi - Threading, JavaBeans, JSP, Servlets, JNDI, JDBC, Hibernate, JPA, Spring, Web Services (SOAP, Restful and Micro-Service), XSD, XML, XSLT, JSON, JAX-B, Apache Commons, EJB, MQ-Series, HTML, Ajax, Oracle, and Linux/UNIX.
* Hands-on experience Java 8 features like Lambda, Streams, Optional, Java Time API, Functional interfaces, and BASE 64 encryption etc.
* Experience in using the Object Relational Mapping Tool Hibernate, strong in using XML mappings and Java Objects.
* Strong understanding of common API technologies, such as OAUTH, SAML, Spring Boot and Micro services.
* Having strong hands-on experience on multithreading and executor framework. Played around with the concurrent collections as well.
* Extensive experience on developing web applications using Spring Boot, Spring Core, Spring MVC, Spring ORM, Spring JPA, Spring Rest and Spring Cloud (PCF).
* Having strong understanding of the Java Runtime Engine, monitoring the memory usage and memory management using Garbage Collector algorithms such as G1(Garbage First).
* Application integration using Mule Soft ESB and IBM Message Broker for integrating and orchestrating the services.
* I have experience in profiling Java applications using Profiler.
* Captured heap dump and database calls to optimize the JVM usage.
* Good knowledge of spring, IOC, AOP, spring and MVC integration with Hibernate and Struts technologies.
* Having good experience with the Rest API, Graph and Web Socket Programming for the Reliable and Real-time communications between the micro services and applications.
* Expertise in implementing persistence layer using JPA and Hibernate.
* Excellent knowledge in API Versioning and API documentation using Swagger and Open API Specification 3.
* Extensive experience in various spring modules such as Spring Boot, Spring Security, Spring AMQP, Spring Data JPA and Spring Batch.

# SKILLS

**Programming** **Languages**: Java 8 and Java 11, Java Script (ECMAScript 2016), Type Script

**Frameworks**: Spring Boot, Spring Data, Spring AMQP, Spring AOP, Spring Cloud, Spring Security

**Monitoring**: New Relic, AWS Cloud Watch and ELK (Kibana, Logstash, Elastic Search)

**Cloud Technologies**: AWS (EC2, SQS, SNS, RDS, Cloud Watch, Route 53, IAM, AWS Fargate)

**Messaging Platforms**: Kafka, RabbitMQ and AWS SQS

**UI Technologies**: Angular 9, React.JS, Bootstrap, Angular Material UI, NodeJS, SAAS Preprocessors.

**DevOps**: Jenkins, Docker, Kubernetes, and Elastic Search

**Relational Databases**: Oracle and Postgres

**No SQL Databases**: DynamoDB, MongoDB, Cassandra, Redis

**Build Tools**: NPM, Maven and Gradle

**IDEs**: IntelliJ, Spring Tools Suite (STS), DBeaver & VS Code

**Source** **Code** **Management**: BitBucket, GitLab

**Agile** **Methodologies & Project management** : JIRA & SCRUM framework , Confluence

**Integration Systems**: Apache Camel, Spring Integration

**Application** **Servers**: Apache Tomcat, Netty, IBM WebSphere

**Testing Tools**: JUnit, Mockito Rest Assured

# WORK EXPERIECNE

**Morgan Stanley,NewYork,NY Mar 2024 – Present**

**Java Full Stack Developer**

**Responsibilities:**

* Involved in all phases of Software Development Life Cycle including requirement, analysis, design, development, testing, release of the project and support.
* Designed and implemented Spring Batch jobs for processing large volumes of data with fault tolerance and retry capabilities.
* Build scripts on AWS cloud for scheduling EC2 auto scaling load balancer with python SDK
* Converted a monolithic app to micro services architecture using Spring Boot using 12 factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in AWS.
* Hands-on experience with Java 1.11 full stack, including Spring Boot, Spring Cloud, Spring Security, Spring Data JPA, Spring AOP, and Hibernate.
* Applied SOLID principles and design patterns (Factory, Singleton, Strategy) to improve code maintainability and scalability.
* Dynamic loading of JSP's using AJAX.
* Built Single Page Applications framework. Built Angular 11 framework including MVC architectures, different modules, templates, custom directives, and custom filters.
* Integrated GraphQL queries and mutations in Angular components for efficient data fetching and updates.
* Used Angular 11 framework where data from backend is stored in model and populated it to UI.
* Integration of SEARS Product Management REST API's.
* Implementation of Restful web services using Spring REST.
* DNS/DHCP, Load Balancing (F5 Networks, AWS ELB), Firewalls (Cisco Systems, Juniper Networks), IDS/IPS, IPSEC VPN)
* Participate in planning, implementation, and growth of our customer's Confidential Web Services (AWS) foundational footprint.
* Setup Maven Profiles to connect DEV/QA/PERF/PROD.
* Extensively used JAXB parsers to parse XML into objects.
* Extensively worked in Test Driven Development (TDD) framework using JUnit.
* Designed and developed the application using agile methodology and followed Test Driven Development (TDD), Scrum.
* Part of team implementing REST API's in Python using micro-framework like Flask with SQL Alchemy.
* Developed restful Web-services using Django Rest framework in Python.
* Utilized Python Pandas and NumPy for backend data manipulation and transformation where needed.
* Executed parallel browser testing on various machines using Selenium Grid and performed cross browser testing.
* Developed end-to-end functional UI tests using Cypress for critical Angular components and integrated them into CI/CD pipeline.
* This role will suit you if you thrive on working in a fast-paced environment where your work has high impact
* Consumed SOAP services and parses XML to Java Objects
* Experienced in cloud automation using AWS Cloud Formation Templates, Chef, and Puppet.
* Experience in automating the infrastructure in AWS using web services.
* Deployed spring boot application on AWS Elastic Beanstalk and orchestrated containerized services using AWS ECS and EKS for high availability and scalability.
* Used Spring Constructor Dependency Injection for injecting the object dependencies.
* Developed Servlets and servlet listeners to communicate between SAP GUI and Smart GWT server side.
* Developed Splunk reports that provide a high-level overview of the Application Health
* Designed and developed the REST based Micro services using the Spring Boot, Spring Data with JPA and used Swagger to interact with API endpoints of the micro services.
* Worked in Integration Systems Such as Apache Camel and Spring Integration.
* Integrated GraphQL endpoints with existing REST and microservice architecture using Spring Boot GraphQL module.
* Automated the performance testing using JMeter to measure the performance with 100+ active sessions
* Involved in continuous integration and DevOps methodologies such as Docker, Kubernetes, Jenkins, Gradle, Jenkins File, Docker File, AWS ECS, AWS EKS and Elastic Search.
* Developed story/task by following TDD/BDD and Pair programming concepts.
* Leveraged SonarQube as part of the CI pipeline to monitor code quality and enforce static analysis rules for backend services.
* Applied chunk-oriented processing and step partitioning in Spring Batch for performance tuning of data-heavy jobs.
* Providing daily status in scrum meetings with the client. Mentored new team members on effective usage of the blend of Spring Boot /JPA and Java.
* Deploy enterprise web applications using technologies such as Sencha ExtJS, Java 1.11, JavaScript, CSS3, and HTML5.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Integrated GitHub webhooks for automated builds and pull request validations in Jenkins pipelines.
* Designed and implemented Spring Batch jobs for processing large volumes of data with fault tolerance and retry capabilities.
* Performance tuning on JIRA by deleting inactive workflows, screens, field configuration not associated with any project.
* Implemented Microservices Architecture with Spring Boot based RESTful services and consumed SOAP based Web Services.
* Worked on creating Microservices using Jersey and spring.
* Developed Restful APIs and Microservices using spring, Hibernate and Jersey.
* Scaled Microservices, distributed systems and server less applications using Simple Queue Service (SQS).
* Used React.JS for creating views to hook up models to the DOM and synchronize data with the server as a SPA.
* Working Experience in Messing Platforms such as Rabbit, Kafka, AWS SQS.
* Developed web applications running on Node JS using the Express framework, Vue.js and with Mustache.js for front end MVC/tempting.
* Create external tables with partitions using Hive, AWS Athena, and Redshift
* Create user defined functions UDF in Redshift.
* Develop CI/CD services for the internal engineering teams.
* Develop and optimize CI build jobs with the help of Jenkins.
* I have written the SQL Queries to get the data and update it in the database and to connect databases in the DAO implementation Classes.
* Designed and optimized complex MySQL queries, views, CTE and joins for transactional data processing and analytics.
* Lead daily stand-ups and scrum ceremonies for two scrum teams.
* Work with product owners to groom the backlog and plan sprints.
* Had knowledge on Kibana and Elastic search to identify the Kafka message failure scenarios.
* Implemented to reprocess the failure messages in Kafka using offset id.
* Daily meeting with different IAM teams and report new/pending IAM issues and concerns
* Develop strategic road maps for IAM systems and program
* Ensured alignment with SOX and PCI-DSS compliance standards during architecture design and implementation of backend microservices.
* Collaborated with compliance teams to integrate automated audit logging and access reviews aligned with financial regulatory requirements.
* Having a Strong Experience in continuous integration to deploy changes using Jenkins and automate the tests.
* Helped migrating and managing multiple applications from on premise to cloud using AWS services like S3, Glacier, EC2, RDS, SQS, SNS, SES, Cloud Formation, VPC etc.

**Environment**: Java 1.11, Spring Boot 2.x, Spring Cloud, RESTful APIs, JAX-RS, Hibernate, JPA, SOAP, AWS (Lambda, EC2, S3, RDS, VPC, CloudFormation, SQS, SNS, SES), Kubernetes, Docker, Jenkins, Maven, Git, Python (Flask, Django), Angular 11, React.js, Vue.js, Node.js, Kafka, RabbitMQ, Splunk, Kibana, Cloud Foundry, JIRA, Microservices.

**State Of Nebraska,Lincoln,NE Mar 2021 – Feb 2024**

**Java Full stack Developer**

**Responsibilities:**

* Used Scrum Agile methodology with regular 3-week Sprint cycles working on planned/groomed user stories.
* Daily Scrum, Sprint cycle Reviews, Retro and planning meetings in the presence of Product Owner, Scrum Master.
* Involved in building pure React-Redux application from scratch which involves stable, Reusable stateless and stateful React components.
* Private Cloud Environment - Leveraging AWS and Puppet to rapidly provision internal computer systems for various clients.
* Wrote python scripts to manage AWS resources from API calls using BOTO SDK and also worked with AWS CLI.
* Experience in designing and developing applications in Spark using Scala to compare the performance of Spark with Hive and SQL/Oracle.
* In depth Knowledge of AWS cloud service like Compute, Network, Storage and Identity & access management.
* Responsible for implementation of modules like Initialization, Authorization and Controller request flows and Save Transaction to Database modules.
* Worked on Spring-WS framework for SOAP web services for all LC 6.7 operations.
* Implemented Junit test cases in Curam framework.
* Experienced in implementing Organization DevOps strategy in various operating environments of Linux and windows servers along with cloud strategies of Amazon Web Services (AWS).
* Developed Hibernate mapping files using different mapping strategies such as table per class hierarchy and also used Hibernate Persistence Strategy to interact with database.
* Configured Spring Batch with Hibernate-based item readers/writers for database-driven batch jobs.
* Build RESTful web service by building Node.js Server in the back-end to handle requests sent from the front-end jQuery and AJAX calls.
* Validated forms using Angular 7/6 and regular expressions there by providing client-side validation and server validation.
* Automated UI regression testing using Cypress JS for Angular components, ensuring stability across releases.
* Used Scala collection framework to store and process the complex consumer information.
* Used Scala functional programming concepts to develop business logic.
* Developed cross-browser/platform HTML5, CSS, and JavaScript to match design specs for complex page layouts while adhering to code standards.
* Created Angular7/6 directives, Controllers, Modules, and Pipes in Typescript.
* Integrated GraphQL with Angular services for declarative data fetching and schema-driven UI rendering.
* Implemented Spring MVC framework in the presentation tier for all the essential control flow, business level validations and for communicating with the business layer.
* Developed code using Design Patterns like DAO, Factory Pattern, Singleton and Value Objects, Decorator, State, Strategy.
* Enforced Clean Code practices including proper naming, modularization, and linting tools integration.
* Designed and developed the REST based Micro services using the Spring Boot.
* Created RFP Micro service to provide RESTful API utilizing Spring Boot with Microservices.
* Working Knowledge in EC2 by creating snapshots, volumes and security groups for public and private instances.
* Designing and developing Restful API and services using best practices to interact within the Microservices and with the front end. Using spring MVC and spring rest.
* Experienced in implementing Microservices, Service Oriented Architecture (SOA) with XML based Web Services (SOAP/WSDL) using Top Down and Bottom Up approach.
* Implemented Docker container service, build pipeline like Jenkins, Bamboo and Go CD for Continuous Integration and Continuous Deployment that can run on the cloud or on-premises, and deployed microservices using AWS ECS and EKS.
* Worked on Code builds and code changes are made in JavaScript, Python and Shell scripts.
* Created Views, Sequences in the oracle database and modified the existing PL/SQL stored procedures.
* **Developed and optimized complex PL/SQL procedures, functions, and packages to efficiently process high-volume transactional data.**
* **Performed SQL tuning using tools such as EXPLAIN PLAN, SQL Trace, and AWR reports, significantly reducing query execution time.**
* **Utilized MySQL alongside Oracle for application-level data persistence and schema design, ensuring robust and scalable data architecture.**
* Sending requests and responses to Micro services through REST/HTTP.
* Transitioned selective modules from REST to GraphQL to reduce over-fetching and improve query efficiency.
* Developed and directed software systems testing procedures and development strategy.
* Implemented job parameters, job repository, and step-scoped beans in Spring Batch for dynamic job execution and scalability.
* Used Jenkins application to build and perform continuous deployments of JBOSS war files.
* Managed source control with GitHub, collaborating via branches, forks, and pull requests for feature delivery.
* Using AWS Glue, I designed and deployed ETL pipelines on S3 parquet files in a data lake.
* Configure backup, alerts, repairs and monitoring of Cassandra clusters using Opscenter.
* Administered, monitored and maintained multi data-center Cassandra cluster using Opscenter and Nagios in production.
* Used MongoDB internal tools like Mongo Compass, Mongo Atlas Manager & Ops Manager, and Cloud Manager Etc.
* Worked on MongoDB database concepts such as locking, transactions, indexes, sharding, replication and schema design.
* Wrote and optimized complex MongoDB queries using the aggregation framework, including $match, $group, $project, and $lookup stages to process and transform data efficiently.
* Created compound and partial indexes to improve performance on large collections and analyzed query plans using explain() to tune performance.
* Worked on Big Data Integration &Analytics based on Hadoop, SOLR, Spark, Kafka, Storm and web Methods.
* Worked on analyzing Hadoop cluster using different big data analytic tools including Flume, Pig, Hive, HBase, Oozie, Zookeeper, Sqoop, Spark and Kafka.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Lead daily stand-ups and scrum ceremonies for two scrum teams.
* Work with product owners to groom the backlog and plan sprints.
* Enhance the performance and capacity of the virtual system of enterprise.
* Used the Multi-Node Redshift technology to implement Columnar Data Storage, Advanced Compression, and Massive Parallel Processing
* Worked with Snowflake cloud data warehouse and AWS S3 bucket for integrating data from multiple source system which include loading nested JSON formatted data into snowflake table.

**Environment**: JDK 1.8, Spring Boot, Spring MVC, Angular7/6, Spring AOP, Hibernate 4.0, Oracle 11g, Mongo DB, Docker, JBoss, Selenium, GIT, Bamboo CI, Chef, MongoDB, Jmeter, Karma, AWS, Jasmine.

**Oak Street Health, Downers Grove, IL Mar 2019 – Jan 2021**

**Java Full Stack Developer**

**Responsibilities:**

* Worked with Business Analysis teams, Product Owner and Clients in collecting and understanding the business requirements and worked with architects in converting them to functional and technical specifications.
* Involved in the Software Development Life Cycle (SDLC), Requirements gathering, Design, and Code, Integration, and Deployment and production phases.
* Built Restful web services using Node JS and Express JS and used a full complement of Express.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 7/6.
* Utilized React Hooks like useState, useEffect, and useContext to manage functional component logic and state lifecycle without relying on class components.
* Created and consumed RESTful API using Express.js to provide centralized logic and reusable data retrieval build on top of Node.js.
* Implemented Logic for pulling the data from the REST API with Axios AJAX and issued HTTP requests to interact with REST endpoints.
* Involved in development of Restful web services using MERN stack, MongoDB, Express React-Redux and Node JS.
* Built secure healthcare applications ensuring adherence to **HIPAA privacy and security rules.**
* Consumed and exposed **FHIR-compliant APIs** to support real-time integration with EHR systems.
* Utilized **HL7 integration engines** to process clinical messages and automate patient data exchange across platforms.
* Developed various single page applications (SPA) using React JS and used various components in the redux library.
* Leveraged GraphQL with Apollo Server and Client to enhance state management and improve query flexibility in React apps.
* Used React-Routers for connecting the APIs which enforces the communication to the server while also implementing mock services in Node.js with the help of modules using Express.js.
* Developed dashboard based on Ajax calls with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using Node JS.
* Implemented JSON web tokens mechanism for authentication and authorization security configurations using Node.js.
* Used React JS virtual DOM for client-side view rendering services, React-Redux for state management and React-Router for client-side routing for dynamically changing client-side content.
* Implemented asynchronous logic for CRUD operations in MongoDB using mongoose connector, and assertions.
* Designed and tuned MongoDB aggregation pipelines for reporting and analytics use cases, improving query performance and reducing response time.
* Performed index analysis and optimization using MongoDB Compass and query profiler to troubleshoot and resolve performance bottlenecks.
* Utilized MySQL for storing structured transactional data and created stored procedures and functions to support backend services.
* Created Angular 7/6HTTP Client interceptors to add necessary JWT tokens for the outgoing requests from UI.
* Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Developed, implemented unit test cases and integration test cases using chai and mocha.
* Created reusable Cypress test suites to validate React-Redux workflows and REST API integrations.
* Use Selenium for creating the web-based test automation suite and perform functional testing.
* We hosted all our micro services in AWS cloud infrastructure using Jenkins CI/CD pipelines.
* Version-controlled all microservices in GitHub; enforced branch policies for quality and audit compliance.
* Used Pivotal Cloud Foundry to quickly build, deploy and update the applications and managed Pivotal Cloud Foundry based platform built on Kubernetes programming with deployment manager and containerized using Docker.
* Integrated SonarQube reports into the CI/CD pipeline to track code smells, maintainability, and coverage metrics.

**Environment**: Java, HTML5, CSS3, Typescript, REACT JS, REDUX Chai, Angular 7/6, Mocha, Git, NPM, YARGS Grunt, Bower, Spring Security (JWT), MongoDB, Kafka, Node.js, Express, Jetty Server, AEM, Kubernetes, Docker, AWS, EC2, Jenkins, Splunk, Git, Pivotal Cloud Foundry, Selenium.

**Starbucks, Seattle, WA Sep 2017 – Mar 2019**

**Java Full Stack Developer**

**Responsibilities:**

* Implemented Agile, Scrum methodologies actively involved in technical meetings, requirements gathering, analysis, planning, effort estimations, development and testing.
* Followed agile methodology and used Test Driven Development. Created Design Docs from Functional Specifications
* Expertise in the implementation of Core concepts of Java, J2EE Technologies: JSP, Servlets, Spring, Hibernate, Java Beans, JDBC, XML, Web Services
* Experienced in using Agile Project Management tool like Azure Boards for agile planning, tracking and management.
* Setup Alerting and monitoring using Stack driver in GCP
* Reviewed High-level Design (HLD), Functional requirements and discussed the new functionality in team meetings.
* Extensively worked on Java 8, Microservices, Sprint Boot, and Pivotal Cloud Foundry (PCP) cloud structure.
* Responsible for maintaining and expanding our AWS infrastructure using AWS EC2, manage documents in S3, providing IAM access to S3 buckets.
* Good knowledge on using Splunk to identify the failures, errors in the applications
* Involved in designing, developing and testing the web application by using the HTML5, CSS3, Bootstrap, and React JS.
* Developed Class and Sequence Diagrams using Rational Rose Software.
* Used Maven to build and deploy applications
* Involved in developing REST API which produces and consumes Web services from other APIs. Used Hibernate and Spring JPA to persist data into the database.
* Experienced in using DevOps tools like Azure DevOps for continuous integration, deployment and creating pipeline
* Developed and implemented a Linux Shell script which retrieves the metadata of all the hive tables in a database.
* Performed MySQL database tuning, indexing, and normalization to improve performance of backend APIs.
* Used JERSEY framework to implement RESTful web services.
* Used JAX-RS to support the creation of XML and JSON via the Java Architecture for XML Binding (JAXB). Prepared the Technical Design Documents.
* Implemented Spring Validation API for writing and integrating the validation rules.
* Used Hibernate ORM framework as persistence engine, configured O/R mapping and wrote hibernate queries.

**Environment**: Java 1.8, Spring 2.5, Node js Hibernate, Spring JPA, Java Web Services (REST, JAX-WS), EJB 3.0, jQuery, Spring Boot, JavaScript, Bootstrap, Web services, AWS, My Eclipse 10, PostgreSQL, Tomcat 8, Splunk, Java Beans, Maven, XML, XHTML, JavaScript, CSS, XSL, DB2, SQL, Log4j, UNIX Shell Script.

**TIAA, NewYork, NY Jul 2014 – Aug 2017**

**Java Developer**

**Responsibilities**

* Used WSDL and SOAP for the development of the XML based applications.
* Used JAXB for XML marshaling and UN marshalling. Worked with Oracle 10g database.
* Used JDBC to persist Java Objects into the database.
* Wrote advanced Oracle SQL queries with subqueries, analytical functions, and complex joins to support data-heavy application requirements.
* Involved in writing complex SQL queries and developed Stored Procedures to populate the database.
* Refactored slow-running procedures and implemented index strategies, bind variables, and query rewrites to significantly boost Oracle DB performance.
* Debugged Java classes used to modify web pages such as Business Objects and Data Access Objects.
* Involved in the creation of dynamic web pages with the use of JSP and HTML.
* Involved in daily scrum meetings, worked on the sprint tasks in the Agile Scrum development.
* Used Servlets as an interface between frontend and backend to handle HTTP requests and to send the response back to the front end.
* Utilized various utilities for User Interfaces like JSP, JSTL, JavaScript, HTML, CSS, jQuery, and Ajax.
* Implemented logging for the whole application using Log4j.
* Performed unit testing using JUnit and participated in integration testing.
* Maintained SVN repositories for branching, merging, and tagging.

**Environment**: Java 1.5, J2EE, JDBC, Servlets, XML, JAXB, HTML, CSS, JSP, JSTL, JavaScript, jQuery, Ajax, PL/SQL, Oracle 10g, JAXB, WSDL, SOAP, Log4j, JUnit, SVN.