**Narendra Nanuvala**

**Sr. Java/J2EE Developer**

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 **Summary**

* **Senior Java Developer** with 10+ years of experience designing and delivering scalable enterprise applications using **Java 8–21, Spring Boot, and microservices architecture**. Proven track record of reducing application deployment time by up to 40% and enhancing system reliability via **AWS cloud solutions**.
* Proven ability to deliver projects on time while implementing efficient, client-focused business solutions.
* Good experience in Software Development life cycle (**SDLC**) using various methodologies like **Waterfall** and **Agile**.
* Experience with Relational databases (**MySQL**) and good knowledge of non-relational NoSQL databases like **MongoDB**.
* Designed and developed multiple Java 8 MVC-based web applications using **Spring MVC, Spring Framework, and Hibernate**.
* Experienced **in leveraging cloud technologies, particularly Amazon Web Services (AWS)**, for scalable and resilient application development.
* Experience in developing Front End web applications using **JavaScript**, **jQuery**, **HTML**, **CSS**, **Angular JS**, and **Angular.**
* Using **TypeScript** to optimize Angular applications for performance.
* Experience in developing Web Applications involving **J2EE** technologies like **JSP**, **Servlets**, **JMS**, **JDBC**, **Hibernate**, and **Spring** **MVC.**
* Expertise in frameworks including **Spring Boot, Spring MVC, Spring Security, Spring Data (JDBC, ORM)** and **hibernate.**
* Experience in building **microservices using Spring Boot and Spring Cloud**, with strong RDBMS knowledge and **SQL query optimization.**
* Expertise with web services and **SOA** (Service Oriented Architecture) related standards such as **REST APIs,** **Jersey** **API** and **J2EE** Web Services based on **SOAP** and **RESTful.**
* Experienced with web service testing tools like SoapUI and Postman; highly skilled in developing multi-tier enterprise applications using Eclipse.
* Good understanding on Migrating applications to AWS, off site disaster recovery and archival with AWS, Hybrid architectures and multi cloud deployments.
* Hands-on with Core Java concepts including Multithreading, Collections, Serialization, Synchronization, Exception Handling, and **Java 8+ features (Lambdas, Streams, Functional Interfaces).**
* Experience in developing **Maven** **Scripts** for building and deploying of **J2EE** applications, **Docker** and **Amazon AWS** services and APIs, including **EC2**, S3**.**
* Using various web Servers such as **Apache** **Tomcat**, **IBM** **WebSphere** for developing server-side applications.
* Exposure to Linux command-line tools and years of experience with **JUnit for unit and integration testing**; proficient in implementing **SOA using SOAP and RESTful services.**
* Experience in using the **Log4j** framework for Logging Application in developing, designing in **UML**, **Package**, **Class** and **State** **Diagrams.**
* Experience in deploying application using **Jenkins** and **Docker** for Continuous Integration/Continuous Deployment (**CI/CD**).
* Utilized **Infrastructure as Code (IaC)** principles using **AWS CloudFormation** to automate and manage cloud infrastructure efficiently.
* Expertise with web services and **SOA** (Service Oriented Architecture) related standards such as **REST API,** **Jersey** **API** and **J2EE** Web Services based on **SOAP**, **WSDL**, **JAX**-**WS**, **JAXB** with **Jackson** **API.**
* Proficient in working with **XML, XSL, XSLT, and JSON** for data transformation and structured data exchange.
* Proficient in **unit testing** with **JUnit**, **Mockito** ensuring code quality and reliability through comprehensive test coverage.
* Experience in deploying application using **Jenkins** and **Docker** for Continuous Integration/Continuous Deployment (**CI/CD**).

**Skills**

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| --- | --- |
| **Languages** | Java 8–21, J2EE, SQL |
| **Front-End** | HTML5, CSS3, JavaScript, TypeScript, jQuery, Angular 14, AngularJS, Bootstrap |
| **Frameworks** | Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, Log4j |
| **Web Services** | REST, SOAP, Jersey, JAX-RS |
| **Databases** | MySQL, MongoDB, Oracle |
| **DevOps & Tools** | Maven, Gradle, Jenkins, Docker, Kafka, JUnit, Mockito, Git, SourceTree, Bitbucket, SoapUI, Postman |
| **Cloud** | AWS (Lambda, S3, EC2, SNS, SQS, IAM, Cognito, AppSync, ECS, CloudFormation, CloudWatch) |
| **Version Control** | Git, SVN |
| **Application Servers** | Apache Tomcat, WebLogic, IBM WebSphere |
| **IDEs** | Eclipse, IntelliJ, Spring Tool Suite |
| **OS** | Windows, Linux |

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**Work Experience**

### Client: Legal & General, Frederick, Maryland (via TCS) Jun 2023 – Present

**Role: Sr. Java/J2EE Developer**

**Project Description:**

MySU is a new client application for submitting Contribution & Enrolment data to Legal & General, initially targeting our largest schemes, covering 53% of customer records. It eases pressure on the outdated REP system and enables a focused MVP with reduced functional scope. MySU also enhances usability and delivers major operational efficiencies through an improved customer journey.

## Responsibilities:

* To collaborate with development team and other key L&G business stake holders to orchestrate delivery and user feedback.
* Involved in full life cycle of the application development using SAFe Agile.
* Design and developed the TDD design and development methodology.
* Designed and developed an application using REST architecture.
* To ensure that products and services are delivered on time with a high-quality technical standard.
* To work closely with business stakeholders for successful migration and reengineering of legacy components.
* Key contribution in software reengineering and modernization. Anticipate, identify, track, and resolve issues and risks which affect the application.
* Working with various technologies like **Java 21**, **Spring**, **Hibernate**, **Microservices**, **Spring Boot**, **Spring Cloud**, **Angular**, **Web** **Services**, **Spring Security, AWS** and Design Patterns.
* Leverage **GitHub Copilot** to accelerate development cycles, improve code quality, and mentor team members on best practices for AI-assisted development tools
* Implemented Spring boot microservices to process the messaging into **Kafka cluster** setup.
* Closely work with Kafka admin team to setup **Kafka clusters**.
* Implemented Kafka producer and consumer application on **Kafka cluster** setup with help of **Zookeeper**.
* Developed **backend services in Java 21** and Groovy using Eclipse IDE, with strong experience in implementing Service oriented architecture and Web Services using **SOAP, REST APIs**.
* Used **Swagger** with Spring-Boot to generate documentation for REST APIs endpoints,
* Designed and stored **structured documents using MongoDB**.
* Integrated **JSON-based dynamic schema** data across multiple applications using **MongoDB (NoSQL)**.
* Implemented Routing and **HTTP modules** for navigation between the components and invoking the **RESTful** Services using **GET, POST, PUT, and DELETE methods**.
* Implement secure authentication mechanisms **using OAuth2, JWT**, or other token-based security models.
* Integrate **HTTPS** by configuring **SSL** certificates and enabling secure communication between microservices and databases.
* Supported quarterly **Production** Releases amid two-week Sprints.
* Identified and fixed block duck vulnerability issues.
* Implementing unit tests and product features developed business components using **Java** Objects, **Core** **Java**, Multithreading and Collections.
* Developed **Angular** applications by completing stories in timely manner while maintaining best practices outlined by the team lead.
* Experience to write Angular components, services, directives, and modules using **TypeScript**.
* Delivered a new Angular-based front-end application that increased customer satisfaction scores by 15% through improved usability and faster response times.
* Developed **RESTful Web Services using Spring Boot-based microservices** to efficiently retrieve and manage client-side data.
* Analyzed the existing codebase and scripts; documented **Java 8-based RESTful microservices** for seamless subsystem integration.
* Implementing **CI/CD** pipeline as code using **Jenkins** and Developed build and deployment scripts using **MAVEN** as build tool.
* Responsible for building/deploying consistently repeatable build/deployments to company non-production environments using **Jenkins build pipelines**.
* Proficient in using the AWS cloud services like **AWS Lambda, Security Groups, MFA, IAM, AppSync, ECS, Cognito, CloudWatch, S3, SQS, SNS etc. created through CloudFormation.**

**Environment:** Java 21, Spring Boot, Spring Cloud, Spring Security (OAuth, JWT), REST, Hibernate, Microservices, JPA, Kafka, Angular, GitHub Copilot, AWS (Lambda, AppSync, Cognito, S3, SQS, SNS, CloudFormation, ECS), MongoDB, MySQL, Docker, Jenkins, CI/CD, JUnit, Mockito, Agile.

### Client: Lumen Technologies, Monroe, Louisiana (via IBM) Dec 2021 - Jun 2023

### Role: Full Stack Java Developer

### Project Description:

Lumen Technologies, Inc. is an American telecommunications company headquartered in Monroe, Louisiana, that offers communications, network services, security, cloud solutions, voice, and managed services. The company is a member of the S&P 500 index and the Fortune 500.

### Responsibilities:

* To collaborate with development team and other key Lumen business stake holders to orchestrate delivery and user feedback.
* Analysis, design and development of Application based on **J2EE** using **Spring** and **Hibernate**.
* Design and development of **Microservices** using **Spring Boot, REST API** and document it uses **swagger**.
* Used Swagger with **Spring-Boot** to generate documentation for **REST API** endpoints.
* Involved in full life cycle of the application development using SAFe Agile.
* Design and developed the TDD design and development methodology.
* Designed and developed an application using REST architecture.
* Proficient in **Git, Jenkins, Pipeline**.
* Supported quarterly **Production** Releases amid two-week Sprints.
* Identified and fixed block duck vulnerability issues.
* Written testcases by using Mockito.
* Involved in **Agile SCRUM** methodology.
* Designed and implemented scalable **RESTful microservices using Java 8 and Spring Boot** for improved modularity and performance.
* Implemented microservices architecture and handled **asynchronous messaging using Apache Kafka**.
* Writing Java code to produce and consume messages using **Kafka clients** (Kafka Producer and Kafka Consumer APIs).
* Handling **data serialization** and **deserialization** for messages
* Used **Hibernate Framework** for object relational mapping and persistence d**eveloped effective web pages using HTML, CSS, JavaScript.**
* Developed the User Interface using **HTML, CSS, JavaScript, Spring Boot, TypeScript**, and enhanced response using Angular components.
* Implement business logic and application functionality according to specifications using **Angular**.
* Designed and developed an application using REST architecture.
* Proficient in **Git** and **Jenkins,** including **CI/CD** pipeline implementation**.**
* Developed **REST APIs** using Spring **Boot** and **REST Controllers** and generated **JSON**/**XML** formats **OOPS** design and **core Java** concepts such as Collections, Multithreading, Exception Handling.
* Developed unit test cases using **JUnit** and used **Log4J** for logging and debugging **MySQL** as backend database and involved in development of Stored Procedures.
* Expert in **Iaas**, **SaaS**, in **AWS** (VPC, IAM, SES, SNS, EC2), Auto-scaling, Cloud Formation Templates, **DynamoDB**, **S3**, API Gateway, Lambda, etc.
* Used SVN for version control and **Maven scripts for build and deployment automation**.
* Experienced in defect resolutions and configuration management change processes to support applications in PROD and integration testing environments.

**Environment:** Java 8, J2EE, Spring, Spring Boot, Hibernate, Microservices, Angular, SOAP, RESTful, Jenkins, Docker, Kubernetes, AWS (S3, SNS, CLOUDWATCH, ECS), MongoDB, MySQL, JavaScript, HTML, CSS, Tomcat, Kafka, Soap UI, Log4j, Dynatrace, Git, JIRA, One confluence.

### Client: British Telecom, London, UK (via Infosys) Oct 2019 - Dec 2021

### Role: Java/J2EE Developer

### Project Description:

NGAE is an Order Processing and Provisioning system used by BT for activation of various services. Used across 3 Lines of Business, (Wholesale Broadband Connect (WBC), Open Reach and Global) for various service activations and configurations. Fits into the Fulfilment area in the OSS stack.

### Responsibilities:

* Worked on the critical areas of the applications like Impersonation functionality, Internal Login page maintenance of the internal Asset Management tool which is especially designed to manage the images that are used in the application.
* Involved in the integration of **Struts** with **Spring,** Framework and implemented **Spring MVC**, **Spring IoC**, **Spring JDBC**, **Spring** Persistence with **JPA**.
* Developed and consumed **SOAP**/**Restful Microservices** Web Services using **XML,** and **JSON** message formats responsible for the analysis, documenting the requirements and architecting the application based on **J2EE** standards.
* Wrote the **Hibernate**-**mapping** **XML** files to define **Java 8** classes database tables mapping used **Hibernate** Template for various database update, insert, delete operations and for involving functions, stored procedures, triggers.
* Integrated **AngularJS components with Spring MVC** views to enhance user experience and responsiveness.
* Developing applications for workflow using **JSP's**, **spring MVC**, **Hibernate**, **AJAX**, **JavaScript** technologies using **Apache Tomcat 5.x**.
* Developed new microservice modules using **Spring MVC and REST APIs**, resolved defects across the application.
* Developed Intranet Web Application using **Java 8**, **J2EE, Mongo DB** architecture, using **JSP** to design the user interfaces and **hibernate** for database connectivity and **Rest services** templates are generated using **swagger2** specifications.
* Developed **SOAP web services** for third-party integrations and designed the frontend using an object-oriented Java 8 framework.
* Applied Java 8 features such as **Streams, Lambda Expressions, and Method References** and used Maven for dependency management.
* Worked on the **REST APIs** web services while displaying the data on the pages.

**Environment:** Java 8, J2EE, Spring Boot, Spring, Spring MVC, Spring JDBC, SOAP, AWS(S3), RESTful, HTML, CSS, JavaScript, Hibernate, Microservices, Bootstrap, Struts, MongoDB, MySQL, Log4J, JSON, AJAX, SQL, Apache Tomcat 5.x, JIRA.

### Client: McGraw Hill, New York, NY Jan 2018 - Aug 2019

### Role: Java Developer

### Project Description:

MHE provides a wide spectrum of services to the Instructors and the Universities in making the learning and assessment process digital. This project is mainly to generate the test. The application generates QTI which is rendered by the QTI Engines and DOCX which is mainly used for offline tests whereas the QTI targets the digital examination. The application also allows the instructor to extract questions from various platforms.

**Responsibilities:**

* Worked on developing **Microservices** in various modules of an application and used **SOAP** and **POSTMAN** to test them.
* Developed **RESTful services using Spring MVC** and consumed them in Angular; implemented unit and integration tests using **JUnit.**
* Created and maintained shell scripts; developed **SOAP templates** for **Spring Boot integration** with **JPA** and **Hibernate**.
* Used **Hibernate**, object/relational-mapping (**ORM**) solution, the technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based **schema**.
* Used **Maven** for dependency management and build purposes and **Jenkins** for continuous builds and deployments. Developed **REST API and Java 7** web services using **Spring** and then consumed the web services in Angular.
* Involved in developing single-page applications with **Angular JS** version framework to bind HTML (views) to **JavaScript** objects (models)
* Deployed WAR files on **Apache Tomcat** used Log4j for logging and configured queries in **Splunk for log tracking**.
* Used **GIT** Repository able to configure and initialize repository to pull and push source code, begin and stop tracking files also stage and commit changes.
* Involved in the day-to-day handling of JIRA issues (production issues at the time) that involved data inconsistencies that required to be solved in very less time Worked with **IntelliJ** and used **Gradle** build tool to achieve more functionality for the build process.
* Implemented **Restful** web services using **JAX-RS** annotations, **Jersey** as a provider, and implemented security using **OAuth.**

**Environment**: Java 8, J2EE, Spring, Spring MVC, Spring Boot, Hibernate, ReactJS, SOAP, RESTful API, JavaScript, jQuery, Micro Services, MySQL, Pl/SQL, JDBC, Eclipse, CVS, J Unit, Bootstrap, Agile, UML, JSP, JSTL, Servlets, Maven, CSS, JSON, jQuery.

### Client: Pramati Technologies Private Limited, India Jul 2015 - Dec 2017

### Role: Software Developer

### Responsibilities:

* Implemented **MVC architecture** using Apache **STRUTS** framework Designed the front end using **JSP**, Tag Libraries and JavaScript and developed framework components, involved in designing **MVC** pattern using Struts framework.
* Worked closely with testing groups for module and integration testing Developed batch processes to perform the daily updates with **Spring Batch Module** **Automation** testing using J unit.
* Developed hibernate DAO Classes using Spring MVC Template, worked with **Hibernate** for object relational mapping and connection management.
* Used **Angular** Promise, Angular Custom directives, Angular custom services to invoke Spring-based REST and SOAP web services.
* Developed applications using **Eclipse/MyEclipse IDEs** and deployed to **Apache Tomcat server.**
* Involved in Developing of Application based on **J2EE** using **Hibernate** and spring framework Implemented, Dependency, Injection, using the spring framework.
* Learned **XML** for communicating client written Queries, Sub Queries in **SQL** to get data from **REST API** written in Groovy wrapped by Jersey **JAX-RS.**
* Able to work well independently or as part of a professional computer program development team and possess effective communication skills along with strong dedication and commitment towards work.

**Environment:** Java, J2EE, Spring, Spring MVC, Hibernate, SOAP, REST APIs, Servlets, JSP, JavaScript, HTML, J Unit, Eclipse, SVN, Oracle.



**Education**

Bachelor of Computer Science, Yogi Vemana University – Kadapa, India (2015)

**Certifications:**

* **AWS Certified Cloud Practitioner –** Amazon Web Services, 2024