**Vishnu Nigamanu**

 **Senior Java Developer | Software Engineer**

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**Employer Details:**

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**Professional Summary:**

* Over**13+**years of IT 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 asSpring **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 andREST 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**

**Certifications:**

* Sun Certified Java Programmer
* AWS Cloud Practitioner

**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 |

**Educational Details:**

Bachelor's Degree (Computer Science and Engineering), JNTU-HYDERABAD (2003-2007)

**Professional Experience:**

**Client: JPMC Plano, Texas (February 2021 – Till Date)**

**Role: Senior Java developer**

**Project Description:**

PACT (Phone Application Capture Tool) a web-based tool that is used to gather potential customer’s information and submit credit card applications. This tool has instant decision and may return a response on applications that are immediately approved, which contributes to a better customer experience. Information about the credit card products such as benefits, features and legal disclosures are displayed on the pages of the user interface for call handling efficiency. ABP is a unit within the Chase Card Services organization that specializes in submitting consuming credit card applications for prospective customers. Prospective Customers reach ABP through Partner Call Center Transfers (PCCT) or by dialing the Toll-Free Number specific to the offer (Partner Employee Card Offer).

**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

**Client: UST Global, Hyderabad (May 2018 – February 2021)**

**Role: Senior Software Engineer**

**Project Description:**

Attribute Toolbox enable clients to better manage the building blocks of credit decisions and build greater data intelligence. As an integral part of decision processing, this software helps create more profitable customer relationships by providing access to cross-source (credit and non-credit) types of data, including all major credit bureaus in the United States and Canada. The Attribute Toolbox architecture is scalable and allows for integration with minimal impact on existing applications and processes

**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.
* DevelopedWebServices for applications using **RESTful WebServices**
* 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.

**Client: Infor, Hyderabad (November 2016 - March 2018)**

**Role: Senior Software Engineer**

**Project Description:**

**Supplier Exchange** is a solution for streamlining for collaboration of procurement, performance and billing information between buyers and suppliers. Features that supplier exchange includes Multiple Procurement Methodologies, Shipper Fulfillment, Shipment Planning and Replenishment, Event Management, Document Management, Quality Management, Performance Management, Material Planning and Logistics, Financial Settlement – Payables

**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 **SwaggerAPI** 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.

**Client: Polaris, Hyderabad (January 2015–November 2016)**

**Role: Senior Java Developer**

**Project Description:**

Credit Platform (CP EMEA) Developed for Citi Private Bank's Structured Lending (Investment Finance) group. The major goal of this application is to create credit processes like Credit Approval, Facility Generation, Collateral Monitoring and MIS. Web based data storage tool used by IF Specialists to document Cas. Tool used by Credit Administrators to generate standardized Facility Memos for draw downs. Provides information on outstanding via automated daily data feeds. Tool used by the Collateral Monitoring Unit to monitor daily value of the Collateral supporting a secured credit facility. Tool used to check the Margin status considering Exposures and Collaterals and inform Relationship Officer of the client upon under margin.

**Responsibilities**

* Used **Java 1.8 Lambda expressions** and Stream API to support functional-style operations on streams of elements.
* Worked on Java functional programming concepts like **Streams**, **FunctionalInterfaces**, new date time API Development and **lambda** expressions.
* Core Java with Concurrent API is used extensively for parallel processing and chunk processing.
* Implemented **Restful** web services **API** using HTTP and **REST** principles.
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop Spring based application with very less configuration.
* Developed Micro services & APIs using **Spring Cloud, Spring Security, Spring Boot, Spring Integration**.

**Environment:**Java1.8, J2EE, Spring Boot, Rest API, JavaScript, Hibernate, JSP, HTML, Web Logic, Ant, SQL.

**Client: Virtusa, Hyderabad, India (September 2013 – November 2014)**

**Role: Java Developer**

**Project Description:**

Structured Finance Surveillance Database (SFSDB) Standard & Poor's is credit rating organization which is specializing in issuing credit ratings for the debt of public and private corporations. S&P credit rating analysts are specialized in evaluating the credit quality and potential risks in securitizations. SFSDB is an enterprise grade data repository to store and centralize all surveillance data in Asia Pacific region which will be used to generate reports for performance watch publications.

**Responsibilities:**

* Designed and developed multi-tier, custom build workflow-based web application.
* Involved in **daily meeting with**Onsite - Offshore coordination.  Involved project coding phase and active member in project maintenance activities
* Core Java with Concurrent API is used extensively for parallel processing and chunk processing of trade execution data and market data and converts into JSON and store it Mongo DB.
* Developed the backend logic using spring and REST API.
* Performed REST validations and created REST exception Handlers and used Postman to test REST services.
* Used **Apache Maven** as a build tool for building the Restful web-service.

**Environment**Core Java, J2EE, spring, Hibernate, REST API, JSP, HTML, Web Logic, UNIX, Ant, Maven, SQL, Crystal Reports

**Client: Indus Business Systems Limited Hyderabad, India (April 2010 – August 2013)**

**Role: Java Developer**

**Project Description:**

E-Protocol is a suite with different modules, a system for configurable workflow automation related to healthcare. The goal is a paperless system that automates the entire research process. The system is based on open architecture that provides easy integration with other application programs and many popular databases. There are different modules in E-Protocol like Protocol Management System (PMS), E-Animal Ordering (EAO), Grant Management System (GMS), E-Cell Request Management (ECRM) and Clinical Trial Management System (CTMS).

**Responsibilities:**

* Followed **Agile**/**Scrum** methodology that included iterative application development, weekly Sprints, and standup meetings.
* Spring JDBC used retrieve and update, inserting data in oracle database with use of stored procs.
* JSON request/response from UI is processed using Spring Boot, Spring MVC Restful features with micro services Architecture and Hibernate/JPA framework is used to save/retrieve the data in the backend.
* Implemented grids and tree UI components, forms etc., and pages using JSP**,**JSTL, JavaScript, HTML, CSS.
* Maven is used for building and deploy the application in WebSphere Application Server (WAS)
* Used **Multi-Threading** and collection framework including List, Map etc.
* Used **Apache Maven** as a build tool for building the Restful web-service.

**Environment:** Java, HTML5, CSS3, JavaScript, jQuery AJAX, Bootstrap, JSP,Agile (SCRUM), Spring, Hibernate, Oracle, GIT, JUnit, Tomcat, Maven, Restful, JAX-RS, Log4J,JIRA, Jenkins.