**Nishanth K**

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**SUMMARY OF EXPERIENCE**

Java/J2EE Programmer around 10 years of IT experience in all stages of Software Development Life Cycle such as analysis, design, develop, build, testing and maintenance of Web Based, Client-Server applications using JAVA/J2EE, Spring, Spring Boot frameworks.

* Hands on experience in Java 1.8, Spring, Spring Boot, REST, Microservices.
* Experienced in writing RESTful API’s using Java, Spring framework, SQL Database, Maven, GIT, IntelliJ, Jenkins, Bitbucket.
* Strong experience in Spring Framework modules such as Spring Core, Spring IOC, Spring MVC, Spring ORM, Spring AOP, Spring Boot.
* Experience in Containers Orchestration using Marathon/Mesos.
* Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.
* Extensively worked in Test Driven Development (TDD) framework using JUnit.
* Developed presentation layer which acts as a middle layer between UI and Backend Systems.
* Strong Experience in SOA implementations - SOAP (JAX-WS), REST (JAX-RS).
* Experience in developing, deploying enterprise applications on IBM WebSphere, BEA WebLogic, Oracle Application Server, JBoss, Tomcat, Jetty
* Knowledge on AWS services likeS3 Buckets, EC2 Instances, LightSail, Virtual Private cloud.
* Extensive experience working on databases: Sybase, Oracle, DB2, SQL Server, MySQL, No SQL Knowledge such as Cassandra, Mongo DB.
* Experienced with Python frameworks likeWebapp2 and, Flask.
* Highly Proficient in writing complex SQL Queries, stored procedures, triggers and very well experienced in PL/SQL, MySQL.
* Expertise in web development using HTML, DHTML, CSS, JavaScript, XSL, Microservice XSLT, and XML, JavaScript/jQuery, Angular JS, reactJS, node JS, backbone.js, AWS, AJAX, Git, SVN.
* Experienced in all phases of the Software Development Life Cycle (SDLC) with specific focus on the build and release and quality of software and involved with teams that worked on Scrum. Agile Software Development and Waterfall Methodologies, Expertise in DevOps. Release Engineering, Configuration Management Cloud infrastructure, Automation by using various tools like GitHub, SVN, Bitbucket. Terraform. Ant. Maven Jira, Jenkins, Bamboo. Chef, Puppet, Ansible, Docker,Kubernetes. Nagios.
* Extensive knowledge of Object Oriented Analysis/Design (OOD) and various design patterns.
* Experience in working on Maven build tool to clean and deploy code to DEV Environments
* Expert in Using Splunk logging tool to monitor the Production logs by writing queries.
* Expert in using version controller tools such as GIT, SVN and CVS.
* Experience and in-depth knowledge of understanding in the strategy and practical implementation of AWS Cloud-Specific technologies including S3, VPC, RDS, SQS. SNS. Cloud Front, Cloud Formation, Elastic Cache, Cloud Watch, RedShift, SNS. Dynamo DB.
* Very strong experience writing API's/ and Web Services in PHP and in Python.
* Hands on experience in writing unit test cases using Junit and Mockito framework.
* Experience of development using software development methodologies as Agile, Waterfall.
* Experienced in Development, testing and deployment of enterprise applications on Windows & UNIX platforms using IDEs such as Eclipse, IntelliJ IDEA.
* Experienced in developing web-based applications using Python, Django, QT, C++, XML, CSS, JSON, HTML, DHTML, JavaScript and JQuery.
* Excellent Client interaction skills and proven experience in working independently as well as in a team.

**TECHNICAL EXPERTISE**

Programming Languages : Java1.5/1.6/1.7/1.8/J2EE

Application Server : IBM WebSphere, Apache Jboss, WebLogic.

Web server : Tomcat 6.X, 7.X,Jetty

Scripting Languages : AJAX, Java Script, Jquery, HTML, CSS

Front end frameworks : Angular 8

DBMS : Oracle 11g/10g/9i/8i, MySql 5.0/5.5, Sybase, DB2.

ORM Tools : Hibernate

Web services : SOAP, REST, JAXB, WSDL

Configuration Tools : SVN, CVS, PVCS, GIT

Build Tools : Maven, Ant

IDE : Eclipse, MyEclipse, IntelliJ, Codelobster, Net, RAD 6.0/6.1/7.0.

Frame Works : Spring Framework, Spring Boot.

BigData Technologies : Spark Streaming, Elastic Search, Kafka Middleware

**EDUCATIONAL QUALIFICATION**

* Electrical Engineering / Bachelor of Technology, Indian Institute of Technology, Kharagpur -2013

**PROFESSIONAL EXPERIENCE**

**Client: Citizen Bank,** Johnston, RI  **Jan 2021 – Mar 2023**

**Sr. Java Developer**

**Roles and Responsibilities:**

* Interacted with business analysts to study the requirements and design interfaces for the various use cases.
* Write reference architecture, best practices and thought leadership whitepapers, identify and enforce AWS architectural best practices
* Used Agile methodology throughout the software development lifecycle (SDLC)
* Worked on code migration from Angular 5 to Angular 8
* Identified the issues with the Angular code and rectified them to remove bugs.
* Worked on functionality, performance and designing issues with JavaScript, jQuery, HTML5, CSS3, Bootstrap.
* Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web based solution.
* Modified and integrated the stored procedures in PL/SQL to work in syne with the SOA composites
* Worked in Digital Presentation Services team which will act as middle layer between UI and Backend layers.
* Define the scope and responsible for AWS infrastructure and creation of AWS set of service instances based on user stories for cross country/regions.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* 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.
* Build solutions secure and cost effective AWS based solutions to customer requirements.
* Lead architect in the Governance and steering of the AWS public cloud at customer.
* Experienced in writing real-time processing and core jobs using Spark Streaming with Kafka as a data pipeline system.
* Having extensive experience on Spark SQL, Spark streaming, SparkR include tune-up of the Spark applications.
* Strong experience on AWS-EMR and Azure Cluster setup, Spark installation, HDFS and MapReduce Architecture. Along with that having a good knowledge on Spark. Scala and Hadoop distributions like Apache Hadoop, Cloudera and Azure.
* Created User Controls and simple animations using Java Script and Python.
* ORMB processes millions of claims and membership data as input, which it processes and create reports. Supporting system called Confidential acts as a data hub, preprocesses the data and pushes the transactions to ORMB system to be billed.
* Convert web services from SOAP to REST or vice-versa, using Apigee API management platform
* Implemented Spring boot-microservices to process the messages into the Kafka cluster setup.
* Followed Sprint model for the development of REST API's for Mobile Apps.
* Debug Apigee EDGE components.
* Worked with Spring Framework and Java 1.8 to design RESTful API’s.
* Used Java 1.8 and Spring framework to develop Services which communicates with both front-end UI and Back-end systems.
* Involved in developing and delivery of a Micro service application utilizing almost of the AWS Stack including S3, EC2, Dynamo, DB, Kinesis. SNS and SQS.
* Experience in UNIX shell scripting and configuring cron-jobs and Control-M jobs for ETL Loads
* Design and development of a system using OCA/OOD and OOP (object oriented programming), which comprised of distributed data access with security, various framework components that interact in the system, and a workflow messaging system that manages the framework components.
* Hands on Development and delivering contracts and Implementation of Controllers to UI to consume.
* Experienced in developing API's based on swagger/WSDL files that we receive from back end systems.
* Hands on experience in writing test cases used Mockito framework to write the test cases for REST API's.
* Developed multi-threaded standalone app in Python, PHP, C++ to view Circuit parameters and performance.
* Worked with CI/CD tools such as Jenkins for the deployment and monitoring the build systems of the code and make sure code is pushed to all lower environments.
* Used GIT as version management and GitHub as the repository
* Worked on POC concepts to move Monolithic Applications to Microservices using Spring Boot and NOSQL and Cloud Environment AWS, Pivotal Cloud.
* Used Maven as build and dependency management tool for creating EAR, WAR and JAR file to be deployed in application servers and integrated with Jenkins, and Jenkins Jobs.
* Working with Product owners to understand the business flows and functionality.

**Environment:** Java/J2EE, JDK 8, Angular, DB, Spring, Spring Boot, SQS, Microservices, JSON, XML, Oracle 12c, REST, Apache Tomcat, Maven 3.5.x, Junit 5, Kafka, Mockito, API, IntelliJ, Dynamo, OOD, SOAP UI, JIRA, Confluence, GIT, Bitbucket.

**Client: AT&T,** Dallas TX **May 2018- December 2020**

**Java Developer**

**Project: support the Major Greenfield Projects.**

**Roles and Responsibilities:**

* Interacted with business analysts to study the requirements and design interfaces for the various use cases.
* Tasks included leading projects, writing user requirements, designing dynamic user interfaces, writing use cases and user scenarios, conducting OCA/OOD using UML/OMT case tools, designing test plans, implementing code, reviewing designs. supervising new people. Applications included 3D Animation. Cutting Plane, Arrow Rendering. Color bar, and 2D/3D annotation
* Responsible for developing and modifying the existing service layer based on the business requirements.
* Developed the necessary front-end user interfaces in JSPs, HTML, Java Script, CSS that will be integrated using Spring MVC Framework.
* Responsible for build and desing the AWS ( PaaS, SaaS and Aaas) and strategic cloud solution to team
* Experienced with ETL processes using Ab Initio and Informatica Power Center
* Developed Business Logic using Python on Django Web Framework.
* Working on AWS Lambda for event driven work flow, Working on Databases, Creating and Hosting micro services on EC2 Instances, and automating things using JSON Scripts, Creating End-Points for the services, Integrating through API's, Involved in creation of APIs and API Gateways for by establishing Secure connection between the end-points.
* Strong experience in All Hadoop and Spark ecosystems include Hive, Pig, Sqoop, Flume, Kafka, Cassandra, SparkSQL, Spark Streaming. SparkR and Flink. Extensively used Apache Flume to collect logs and error messages across the cluster.
* Expertise in Technologies such as Oracle. Teradata, SQL Server, Sybase, Power Builder ETL Tools: Informatica, Abinitio, Datastage PL/SQL Reporting Tools: Tableau. QlikView, Cognos, Quality Center/ALM. JIRA, UNIX Basics, And Excel Marcos for Automation.
* Worked as a technical lead. Participated in gathering the business requirements and coordinated with offshore resources to discuss the requirements and implementation plan ,Experienced in designing the solution and configuration of the multiple ORMB key functionalities
* Modified and refactored the SOA composites as per the changing business requirements
* Design, development of Web-based java applets and applications that provided real-time environmental information to the IBM TJ Watson Research Center community via a Web browser (using DOA/OOD methodologies, and Java in Implementation).
* Worked on Spring Rest web service implementation.
* Developed Form Beans/ JavaBeans, Spring Controller Classes and configured with the corresponding JSP pages in spring-config.xml file.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Used Spring Framework for Dependency injection and integrated with Hibernate Framework.
* Implementation of Thread pool and locks for concurrency management.
* Created the Hibernate mapping and properties files using spring modules like MVC, Web and ORM. Used Hibernate template to integrate Spring DAO business objects with respective tables from the database.
* Created tables, stored procedures in SQL for data manipulation and retrieval, Database Modification using SQL, PL/SQL, Stored procedures, triggers, Views in Oracle 10g.
* Involved in creating restful web services and consuming them.
* Worked on automation and Deployment using configuration Management tool like Chef to provision amazon AWS
* 1way and 2way SSL implementation in Apigee and maintenance of trust stores.
* Implement requirements of the API layer like security, custom analytics, throttling, caching, logging, monetization, request and response modifications, rate limiting, developer portal using Apigee
* Implemented various standard J2EE design patterns (Singleton, Factory, Data Access Object, MVC, Front Controller)
* Rewrite existing Java application in Python module to deliver certain format of data
* Used MAVEN for project management and build automation.
* Developed Rest API’s using Spring Boot, Microservices, Java 1.8, Maven, Cloud Environment.
* Used Subversion as a version control for implementing the application.
* Controlled the log information by using framework Log4j.
* O Configured Staging and Testing and Production environment for APIGEE Edge and APIGEE cloud-based sites.
* Performed Unit Testing Using JUnit.

**Environment**: Eclipse, Java 1.8, Spring Boot, SOA, Microservices, OOD, spring MVC, Apache Tomcat, Servlets, SVN, MySQL, PL/SQL, API, Stored Procedures, Windows Family(xp/7/8/10), Maven, Putty, FileZilla, JIRA, JUnit, Log4j, UML

**Honeywell,** Pittsburgh, PA **Nov 2017 – April 2018**

**Java Developer**

**Roles and Responsibilities:**

* Developed Complex batch job’s using spring –Batch Framework for conversion data like Case Merge and Case Client Elimination.
* Troubleshot and resolved issues pertaining to throttling of messages within the SOA Composites
* Involved in designing, estimating business requirements, and worked with business team to determine the needs, gather, analyze and document requirements.
* Generated property list for every application dynamically using python.
* Involved in the design of database tables based on new requirements and on the mappings between legacy and new systems.
* Online web application was developed following MVC design pattern using Java 1.7, JSP, JavaScript, JSON, JQUERY, HTML, CSS, Servlets and EJB 3.0.
* Experience with Splunk Searching and Reporting modules, Knowledge Objects, Administration, Add-On's, Dashboards, Clustering and Forwarder Management, Visualizations, alerts, reports.
* Front end JSPs are developed using custom tag libraries, dynamic tables are generated using JQuery and JSON elements.
* Hosted and consumed web services using SOAP protocol. Worked on defining schemas and WSDL for the web services.
* Used Couchbase Python SDK to build applications that use Couchbase Server.
* Worked on designing and developing below modules along with multiple enhancements using different components of QUAF framework and have a solid understanding of ORMB data model- Auto payments, TFM rules, Refund Write-off requests and adjustments. Invoice Construct based billing, Statements, Approval workflow. GL Accounting scripts,Have experienced in setting up the customer/Accounts/Contracts, Pricing, creating billable charges through TFM and running the BILLING batches to create the bills in ORMB.
* Have sound knowledge on Oracle Revenue Management & Billing (ORMB) architecture, installation, development
* Used Session and request variables to hold the data between JSPs and EJBs.
* Hosted and consumed JAX-WS web services.
* Involved in performance tuning of the batch as well as online applications by writing and optimizing SQL queries.

**Environment:** JDK 1.7, Core Java, JSP, JSON, JQuery, Ajax, Servlets, EJB 3.0, JAX-WS web services, Oracle Database, Eclipse, Web Sphere 8.5, Ant build tool, SOA, Log4j for logging, UNIX.

**Infineon Technologies, India June 2014 – Feb 2017**

**Java Developer.**

Project: HHC is a real-estate company, developed their internal Applications using Java Technologies.

**Roles and Responsibilities**:

* Developed application using Struts 2 Framework that leverages classical Model View Controller (MVC) architecture consuming WebLogic web services.
* Unique experience with Pivotal Cloud Foundry and Open Shift/Kubernetes architecture and design, troubleshooting issues with platform components (PCF), and developing global/multi-regional deployment models and patterns for large scale developments/deployments on Cloud Foundry and OpenShift/Kubernetes.
* Experienced in developing front end using UI/UX technologies JavaScript, HTML, CSS, jQuery.
* Integrating Struts with spring by delegating Struts action management to Spring Framework using proxy. Used Spring Framework for Dependency injection.
* Used Spring AOP for cross cutting concerns and IOC for dependency injection.
* Used Hibernate in data access layer to access and update information in the database.
* Hibernate framework is used in persistence layer for mapping an object-oriented domain model to a relational database (DB2).
* Resolved issues relating to XML Transformations via BPEL using JDeveloper and Oracle SOA Suite
* Implemented J2EE design patterns.
* Have sound experience on ORMB Upgrade to 2.6.0.1.0.
* Have sound knowledge on ORMB Application performance tuning.
* Implemented various design patterns in the project such as Business Delegate, Data Transfer Object, Data Access Object, Service Locator, and Singleton.
* Used SQL statements and procedures to fetch the data from the database.
* Designed and developed the web-tier using Html, JSP’s, Servlets, Struts, and Tiles framework.
* Used Http compression and AJAX for faster response time.
* Currently serving as an ORMB/CCB Solution Architect (Including certifying any development work test results) working with the Business, Delivery, and Operations teams to support development and production activities for new and existing functionality on an ORMB open item accounting phased implementation.
* Implemented spring security features using AOP Interceptors for the authentication.
* Extensively worked with HQL and hibernate criteria queries.
* Experience on execute the reports & dashboards in Splunk and ITSI
* Used Hibernate annotations for hibernate mapping.
* Used log4j for logging messages
* Consumed Web Services (SOAP) from third party for send the emails in bulk. This service is used to send the emails to the customers in bulk as a part of Batch process.
* Deployed the application on to WebSphere application server.
* Used RAD as IDE and extremely worked with the WAS 7.0(WebSphere Application Server)

**Environment:** JDK 1.6, J2EE, Struts 2, spring, SOAP Web Service, JAX-WS, RAD, WebSphere Application Server (WAS) 7, Hibernate, Maven, DB2 Data Base, JAXB.

**QUALCOMM, Hyderabad, India 2013 Aug – 2014 May**

**Java Developer**

**Roles and Responsibilities:**

* Used Agile (Scrum) software development methodology.
* Generated the use case diagrams, Activity diagrams, Class diagrams and Sequence Diagrams in the design phase using Star UML tool.
* Analyzed, designed and developed SOA Based Applications using technologies such as Oracle SOA Suite, BPEL, Java PL/SQL, Web Services, XML, XSL XPATH. Apache Tomcat. IBM Websphere. Weblogic. Oracle 10g RAD. UML, CVS and clear case.
* Responsible for identifying scope and assumptions for Estimates considering risks if any.
* Involved staging and interface framework design using spring batch.
* Designing and developing REST based Web Service using JSON / XML and JAX-RS.
* Created spring batch jobs by using Groovy.
* Strong experience in Splunk dashboard creation, app development, validation etc. Also aware of various quality concepts like SCM.
* Worked with Behaviour Driven Development process and Test Driven Development (TDD).
* Provide Best Practice recommendations with alternatives and/or work-arounds to resolve issues with ORMB and/or Business procedures associated with the Finance Systems ORMB Open Item implementation. Root Cause analysis of issues to develop permanent fixes when a short term solution is employed for expediency.
* Implemented Multithreading in staging framework.
* Experience in configuring build tools like Maven and ANT for the development and deployment.
* Involved AT, SIT and production defect fixing.
* Designed and developed the input/output data formats in XSD for the WSDL files and accordingly implementing services using Apache AXIS2.

**Environment:** JDK 1.6, J2EE, Struts 2, spring, SOAP Web Service, JAX-WS, RAD, WebSphere Application Server (WAS) 7, Hibernate, Maven, DB2 Data Base, JAXB.