**B.N.Chary Email: bnchary7253@gmail.com**

**Sr. Java Full Stack Developer Phone:620-719-7253**

**PROFESSIONAL SUMMARY:**

* 8+ years of IT professional experience in delivering enterprise solutions in multiple domains like Insurance, Banking, Health and Finance domains using **Java/J2EE**.
* Experienced in Software development life cycle **SDLC** including Requirement analysis, Designing, Development, Testing, Deployment and production support in **Agile**(**Scrum**), **TDD**, **Waterfall** environment.
* Extensively experienced Front-End technologies like **HTML5, XHTML, DHTML, CSS3, JavaScript, jQuery, JSON, AJAX, React.js, Angular-JS, Anular2, Node JS, Typescript**, **Karma.**
* Proficient in java concepts like **Multi-Threading, Collections, Exception Handling, Generics** including **Java8** concepts like **lambda Expressions, Stream API, predicate functional interface etc.,**
* Strong programming skills in **Java/J2EE**, includes **XML, JSP, EJB, JDBC, Struts2, Servlets, JSF, Hibernate, and JPA**.
* Good knowledge and implementation skills in Spring framework modules such as **Spring MVC, IOC, AOP, IO, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Hystrix, Spring Cloud and Spring Zuul.**
* Deployed the Application into **Docker** container and made easily accessible at runtime using **pivotal Cloud Foundry** and other cloud services like **AWS, Netflix Eureka, Spring Hystrix** as fallback method, **Spring Ribbon** for load balancing and a broker service to maintain status using **JMS, Active MQ, Rabbit MQ, Apache Kafka with Zookeeper.**
* Experienced in designing, deploying and maintaining applications using **AWS** services includes **Elastic Cloud Compute** (**EC2), Elastic Container Service(ECS), Elastic Bean Stalk (EBS), SNS**, **SQS, RDS**, **EFS**, **Cloud Front**, **Cloud Formation, Cloud Watch, Cloud Trail, IAM, Elastic Cache, Dynamo DB, S3 Storage service.**
* Experience in developing responsive web applications using Bootstrap, Angular Flex Layout, Angular material and knowledge in using ES2015 and ES6 for reactive programming of JavaScript using Redux, NgRx for managing application and programming using Lambda, Streams in Java 8.
* Implemented various design patterns such as **MVC** (Model-View-Controller), **Singleton**, **SessionFacade**, **DAO**, **DTO**, and **Business Delegate** in the development of Multi-Tier distributed Enterprise Applications.
* Experience in developing and registering web services APIs using **SOAP (JAX-WS**, **WSDL) RESTful, JAX-RS.**
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions, replica sets) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra and Neo4j.**
* Experienced in Relational Data Base Management System(RDMS) like **MySQL, Oracle, SQL ServerDB2.**
* Proficient in **SQL**, **PL/SQL** developed Stored Procedures, **Triggers, Functions** and **Packages** besides writing **DDL**, **DML** and Transaction queries with development tools like **TOAD**, **Rapid SQL** and logging tools like **Log4J, SL4J**
* Implemented **Junit**, **Jasmine, TestNG, Mockito** for unit testing, **Protractor, Selenium, Jasmine for** Automated testing and integration testing using **Continuum, Hudson**, **Jenkins**.
* Experienced in build automation tools like **ANT**, **Maven**, **Gradle** including version control tools like **GIT, SVN** and **CVS.**

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| **Programming Languages** | Java, Python, SQL, PL/SQL |
| **Web Technologies** | HTML5, CSS3, JavaScript, jQuery, AngularJS, Angular 2, TypeScript, Ajax, React JS, Node JS, Express JS, JSON, Swagger UI, XML |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, EJB, JDBC, RMI, XML, JSF, Struts2, Swings, AWT, Applets. |
| **Spring Frameworks** | Spring Boot, Spring MVC, AOP, IOC, Spring Security, Spring Batch |
| **Application/web Server** | WebLogic Server, Apache Tomcat, WebSphere, JBOSS |
| **Messaging Services** | JMS, Rabbit MQ, Active MQ, Apache Kafka. |
| **O-R MAPPING** | Hibernate, Spring data, JPA |
| **Data base** | Oracle, DB2, MySQL, MongoDB, Cassandra |
| **Cloud Environments** | Azure, Pivotal Cloud Foundry, AWS, Netflix Eureka |
| **Version Control** | GIT, CVS, SVN, ES6 |
| **Web Services** | SOAP – WSDL, JAX-WS, RESTful – JAX-RS, Jersey |
| **Methodologies** | Agile, Scrum, waterfall model. |
| **Testing Tools** | Junit, Jasmine, TestNG, Mockito, Protractor, Jenkins, Selenium, Cucumber, Log 4j |
| **Tools** | Kubernetes, Docker, Ansible, Apache Camel, |
| **IDE ad Build Tools** | Eclipse, IntelliJ, NetBeans, Toad, SQL Navigator, Ant, Gradle, Maven |

**TECHNICAL SKILLS:**

**PROFESSIONAL EXPERIENCE:**

**Client: CareMore, Cerritos, CA September 2017 to Present**

**Role: Sr. Java Full Stack Developer**

**Description:** CareMore Inc. is a health care insurance company. Project is about upgrading the system to new architecture where it will be easy for 3rd party organization to integrate the application as well services into their existing system, provide training (online education program).

#### RESPONSIBILITIES:

* Involved in requirement analysis design, Development of project modules and implemented business logic during project life cycle using **Agile Scrum** Software Development methodology.
* Developed presentation layers using **HTML5, CSS3,** and **Angular2** router to build single page application to navigate through the different status and multiple modals**.**
* Work includes complete development cycle including detailed design, development for **Mobile Applications.** Working on financial mobile applications.
* Experience in core AWS services like S3, EC2, ELB, EBS, Route53, VPC, Auto scaling and deployment services like Elastic Beanstalk, Ops Works, Cloud Formation and security practices like IAM, Cloud Watch and Cloud trail.
* Experience in developing web applications using latest JavaScript ES6 features and frameworks such as React and Redux to build dynamic web pages. (React-router, JSX, Babel, Web pack, React -bootstrap).
* Used **Angular2** to associate **HTML** elements to model, to provide dynamic user validations on client side.
* Worked on UI components using **Angular2 Dependency Injection, Models, data binding** and controllers.
* Worked on instantiating multiple AWSEC2 servers by using YAML Script in Ansible playbook. Experienced DevOps methodologies by implementing CI/CD Pipelines using tool sets like GIT, Jenkins, and AWS.
* Utilized AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions.
* Involved in designing applications using **Hibernate**, **Spring Framework, Spring JDBC, Spring JMS, Spring Web services, Spring Boot.** Handled security & validations also Authorizations using **Spring Security.**
* Implemented **Spring MVC** flow to interact with different modules &**Spring AOP** during various modules of project.
* Created and injected **Spring Services**, **spring controllers** and DAOs to achieve **dependency injection** and used **Spring Inheritance** to develop beans from already developed parent beans.
* Implemented **Hibernate** for **Mapping**, **Cache**, **HQL** and relationship of each table in database to **Java** objects.
* Developed session, entity beans and message driven beans, mapping of Java Objects to Database Tables using **Hibernate** an also **Hibernate Transaction Management**, **Hibernate Batch Transactions**, and **cache** concepts.
* Used **XStream API** to transfer data back and forth between **Spring MVC** and **Ext JS.**
* Consumed and exposed **Restful** Web services API for specification of Printing Reports.
* Managed from concept release an advanced SOA Content Management System built on the exist XML data base using XQuery, XML Schema, and XForms.
* Developed XPATH, XQuery and custom XML parser based on SAX, DOM as part of **XML** Consumption.
* **XML** Schema design & development E.g. developed **XQuery** to transform DTD to XSD based **XML.**
* Used **XPath**, XQuery, XSL and XSLT for UI development.
* Developed the application using industry standard design patterns like Singleton, Business Delegate, MVC, and Factory Pattern etc. Involved in developing Single page applications using NodeJs, WEBPACK (ES6).
* Build Mark Logic **XQUERY** modules to cater to insert, update, delete and audit records.
* Created session **EJBs** that retrieved information from the Oracle database using **Spring- Hibernate**.
* Created logical and physical data models putting to practice, concepts of normalization and **RDBMS**.
* Database development required creation of new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers and required **SQL** tuning to reduce the response time in the application.
* Wrote **Stored Procedures**, **functions,** and **packages** for complex inserts and updates in the **DB**.
* Used **TOAD** to interact with **oracle** database validator methods authentication is done with **Oauth 2**
* Consumed **REST** based Micro services and utilized **Spring Eureka** to manage the complexity with a **service registry** and **service discovery** also the circuit breaker pattern using the **Hystrix**, load balancing using **Ribbon.**
* Worked on **Microservice** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka**, **Zookeeper** to establish communication between the **Microservices** in the application environment.
* Worked on **Docker** containers, generated images and deployed in **Pivotal Cloud**& implemented Security groups.
* Developed and deployed the micro services applications in **Pivotal Cloud Foundry** cloud platform.
* Written **Jenkins** pipeline script in **groovy** programming for the automation of build and deployment process.
* Used **log4j** to capture the log that includes runtime exceptions and debug information.
* Used **Maven** to validate, compile, deploy the files and **GIT** Repository for updating and committing code.
* Performed **Unit** testing using **Junit** and **Mockito** extensively and defined various test suites and test cases across the application functionality and fixed major layout bugs.

**Environment: Java/J2EE, Java8,HTML5, CSS3, JavaScript, Aangular2, Redux, Node.js, XQuery, jQuery, Spring MVC, Spring AOP, Spring JDBC, Spring, Apache Kafka, Spring Web services, ES6, AWS, Spring Boot, Spring Security, Hibernate, Restful Webservices, Microservices, Spring Eureka, Spring Ribbon, Spring Hystrix**, **Docker, GIT**, **JUnit, Jenkins, Mockito, Design Patterns, log4j, Agile Methodology, Maven, Spark.**

**Client: Change Health Care - San Mateo, CA Mar 2015 to July 2017**

**Role: Sr. Java Full Stack Developer**

**Description:** Change Healthcare is a key catalyst of a value-based healthcare system - working alongside our customers and partners to accelerate the journey towards improved lives and healthier communities. It provides software and analytics, network solutions and technology-enabled services that help our customers obtain actionable insights, exchange mission-critical information, control costs, optimize revenue opportunities, increase cash flow and effectively navigate the shift to value-based healthcare.

**Responsibilities:**

* Involved in all stages of SDLC like Requirement Analysis, Design, Implementation in **Agile** Methodology.
* Worked with **HTML5**, **CSS3**, **JSON**, **JavaScript**, **React JS** and **ES6**   for developing user interface.
* Involved in the expansion of application using Collections, Exception Handling, and Serialization.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used AWS Lambda to run the code in the AWS (Amazon Web Services) and Deployed Spring Boot based micro services Docker container using Amazon EC2 container services and using AWS admin console.
* Implemented the **Drag** and **Drop functionality** using **React-Draggable and** worked on **Redux** architecture.
* Worked on **Java8** features like **Lambda expressions, Streams, filters, optional classes and default methods.**
* Used **Executor Service Interfaces**, **Thread Pool Executor** class for **multi-threading**& thread resource pooling.
* Worked on **Spring MVC** Transaction Management, **Spring/Hibernate Batch Transactions** and **Hibernate cache, Spring Boot components** to implement business layer and navigation part of application.
* Developed the Application using design patterns-**Singleton, Factory, DAO, DTO prototype** and **Composite** View.
* Implemented **Microservices** architecture with **Netflix, Spring Eureka, Spring Ribbon** using **Spring Boot** to provide client-side load balancing in calls to another **Microservices** for making application in to smaller chunks and the **Spring Hystrix** as circuit breaker and for the fail-safe.
* Involved in developing **Restful service API’s** end points in **microservice** architecture.
* Used Java Collections Lists, Sets and Maps in advanced core java.
* Developed critical components of the application including **Spring Controllers**, **Spring Forms**, **JSP Views** and Business logic and data logic components that include **Hibernate Entities**, **Spring-Hibernate** DAO and Spring models following MVC architecture.
* Constructed powerful and modern Frontend Architecture, involving React JS, Redux, and ES6.
* Developed **Mongo DB** Data Access Layer implementing **Mongo Repository** interface from **Spring Data.**
* Implemented a distributed messaging queue to integrate with **MongoDB** using **Kafka** and **Zookeeper**.
* Developed various **SQL**queries and **PL**/ **SQL**Procedures in **Oracle DB**for the application.
* Worked on **UNIX/Bash** environments across **EC2** servers with **Docker** hosts &**Kubernetes** to manage docker images.
* Involved in Designing and deploying AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer**, Auto scaling groups. Supporting Systems Infrastructure comprised of **Linux OS, AWS, EC2** clusters.
* Wrote **Drool rules** in both **rule flow** and **drools fusion** for fetching the facts from the database.
* Worked with API Management product of **APIGEE** in consuming the API’s in implementing customer use cases.
* **UNIX Shell scripts** for Bash shell to automate deployments and environment configurations on the **EC2 Clusters**
* Developed **Apache Spark** jobs using **Java** in test environment for faster data processing and used **Spark SQL**.
* Designed and Developed the Automation Testing Framework using **Java, Selenium Web Driver and TestNG.**
* Used **Maven** as an integrated tool and **Log4jAPI** to **track/Warn/Debug** application and **GIT** as the Version control

**Environment: HTML, CSS, JavaScript, React JS, Node.js, Java8, Java/J2EE, Spring MVC, Restful Webservices, Microservices, Netflix, Spring Eureka, Spring Ribbon, Spring Boot, Spring Hystrix, ES6, AWS,EC2, S3, RDS, EBS, Elastic Load Balancer, PL**/ **SQL, Oracle, Docker, Ansible**, **Kafka**, **Zookeeper, Kubernetes, GIT**, **Jenkins**, **Chef, Linux OS, Selenium, TestNG, DROOLS, APIGEE, MongoDB, Design Patterns, log4j, Agile Methodology, Maven, Spark.**

**Client: Wolters Kluwer, Irving, TX Apr 2013 to Feb 2015**

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

**Description:**

It is a global information services company which serves legal, business tax, accounting, risk, compliance, and healthcare market. The sheer amount of data required to support health care decisions is impossible for one person, or even one organization, to wrangle, that’s why Wolters Kluwer streamlines valuable content and decision support functionality into intelligent databases and integrated tools or API’s. These clinical drug information API’s are then utilized by software or EMR solutions for the clinicians.

**Responsibilities:**

* Involved in the Analysis, Design, Coding, modification and implementation of user requirements in the online banking automation application.
* Provided production support for the application and developed an integrated interface to diverse banking and investment legacy systems to facilitate customer service.
* Developed web application based on **J2EE Struts framework**. Developed the front-end using **Java Swing** (involved UI design, user generated event handling, incorporation of underlying functionalities as per the laid down specifications) and involved in incorporating business logic.
* Creating procedure and fine tuning the existing procedure to handle huge amount of transaction.
* Interacting with business analyst for preparing business requirement.
* Developed Business requirements by using use case and sequence diagram for the application.
* Reviewed code and encouraged developers to use key design patterns, such as **façade, singleton**, **factory, command, proxy, strategy, decorator**, etc.
* Created an **XML** configuration file for **Hibernate** -- Database connectivity.
* Configured **Hibernate** objects as Spring Beans in the Spring Configuration File.
* Configured the **Hibernate configuration** files to persist the data to the **Oracle 9i 10g Database**.
* Created connections to database using **Hibernate Session Factory**, using **Hibernate APIs** to retrieve and store images to the database with Hibernate transaction control.
* Implemented persistence layer using various features of **Hibernate framework** like **HQL queries**, Criteria etc.
* Implemented as well as exposed web services using **Apache Axis** and **JAX-WS**.
* Implemented Restful web service with the use of **URI templates** and **content negotiation**.
* Experienced in Core Java – **Asynchronous programming**, **Multithreading**, **Collections** and design patterns.
* Defined persistent classes that are mapped to database tables based on the analysis of the business domain.
* Followed **TTD Methodology**, Scrum concepts of the Agile Methodology to produce high Quality Software.
* Created display tag to generate database driven reports.
* Created interactive reports by using **DHTMLX** for Sales Department.
* Created complex cross tab report for Purchasing Department.
* Bug fixing and 24-7 production support.
* Involved in integration testing and deployment of the module as part of the overall application.

**Environment: Java, J2EE, Servlets, Struts(MVC), Spring Framework, Swing, Hibernate 3.0, WebSphere 6.0, Eclipse IDE, JSF, JSP, JPA, JDBC, EJB, HTML, JavaScript, AWS, WebSphere MQ Series, DHTML, Web services, CSS, jQuery, SOAP, WSDL, JDK 1.5, Mongo DB, Agile, SQL, JUnit, Win NT & UNIX.**

**Client: Wright Patt Credit Union, Dayton, OH Jan 2012 to Mar 2013**

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

**Description:** The project included archival, retrieval and viewing of every Wright-Patt Credit Union Bank user worked on. The whole process starts from the moment a check is deposited by customer. Once the check is scanned, the front and back image of the check is standardized according to Check 21 regulations specified by US Banking Agencies. Along with check images, data from the check is also extracted and archived. These include Account Number, Endorsements, and MICR Number etc. Based on Client Request, data, image or both are retrieved and given to the customer.

**Responsibilities:**

* Identified the Business requirements of the project.
* Involved in preparing System Requirements for the project.
* Involved in preparing the Detailed Design document for the project.
* Extensively used **MVC**, **Factory**, **Delegate** and **Singleton** design patterns.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status. Used **Spring DAO Module** along with Struts Framework to deal with Database.
* **Spring MVC Framework IOC (Inversion of Control)** design pattern is used to have relationships between application components. Used to separate the application configuration, dependency specification from the actual application code.
* Used JDBC to connect & retrieve data from DB (**for existing Swing application**) to connect to Oracle.
* Developed, and debugged the **servlets and EJB** with Web Sphere Application server.
* Developed the middle tier using **EJBs, Java Servlets**.
* Developed **session, entity beans and message driven beans.**
* Designed and developed the UI using **Struts view component, JSP, HTML, CSS** and **JavaScript, AJAX, JSON**.
* Designed the data flow for the client-side screens and the object interaction layer for the server-side components using **Rational Rose.**
* Involved in Use Case Realization, Use Case Diagrams, Class Diagrams and Sequence diagrams using **Rational Rose.**
* Deftly followed **Agile methodology** software development and followed complete **Test-Driven Development** Process.
* **MQ** was used to provide a single unifying transport that reduces cost and maintenance efforts, including support for HTTP, aws and JMS.
* Used **XML/XSLT** for transforming common XML format and **SAML** for Single Sign-On.
* Designed configuration **XML Schema** for the application.
* Used **JavaScript** for the client-side validation.
* Used **XML Http Request** Object to provide asynchronous communication as part of **AJAX** implementation.
* Designed and implemented Java Classes to use JAXP parser to create Java objects to be able to modify the data received in the response.
* Handled Java **Multi-threading part** in back-end, one thread will be running for each other, which serves the user.
* Used SOAP for **Web Services** by exchanging XML data between applications over HTTP.
* **WSDL** was used for publishing Web Service interfaces.
* **JUnit** tests were written to test each module in the application.
* Wrote **Ant Scripts** to automate the build and deploy process.
* Involved in Code Review, Unit Testing and Integration Testing.

**Environment: Core Java/J2EE, Servlets, JSP, Java j, JSTL, Struts, JDBX, JMS, XML, XSLT, JDBC, AJAX, IBM Web Sphere Application Server 6.0, DB2, WSAD, TDD, IBM MQ, HTML, CSS, JavaScript, Eclipse, UML, Rational Rose, Windows XP, CVS, JUnit, ANT, Adobe Flex, Swing, Vision.**

**Client: Valley National Bank, Wayne, NJ Oct 2010 to Dec 2011**

**Role: Java/ J2EE Developer**

**Description:** Securities lending system provides a single, centralized, real-time system for borrowing and lending of securities like stocks, Fixed Income Instrument (T-bill and T-notes). Requests to borrow are routed to specified lenders and associated execution information is returned to the borrower without manual intervention. Securities Lending System has Desktop Client for call center and website for international users. User can specify time limit, rebet rate, collateral type, delivery details, maximum price and books.

**Responsibilities:**

* Worked on the development and testing of the infotainment module using **Agile (SCRUM)** methodologies.
* Developed Struts based presentation layer, **hibernate** based **DAO** layer and integrated them using **Spring Dependency injection, ORM and Web modules**.
* Designed and developed persistence layer designed on **ORM** framework principles and developed it using **Hibernate/JPA and DAO** design pattern.
* Developed Server-side components using **spring** framework.
* Used **JBOSS** Drools as the business rules engine to create and maintain the Business rules and Drools Guvnor as the Business Rules manager.
* Developed the user interfaces using **Angular JS, Java Script, HTML, DHTML, CSS and AJAX**.
* Created Unit test cases using Junit and used Log4J for logging
* Used **SOAP UI** for testing the **SOAP** web services. And Developed a test report using Karma.
* Developed **PL/SQL** scripts, functions, triggers and stored procedures for the Oracle 10g database.

**Environment: Agile(SCRUM), Java 1.6, struts 2.0, Hibernate 3.0, JBOSS Drools, Drools Guvnor, Business Rules**

**Client: Pryscom, Hyderabad, India Aug 2009 to Sep 2010**

**Role: Java/ J2EE Developer**

**Description:** Pryscom Info Services, offers sophisticated Internet products for small businesses and individuals, providing them complete solutions for online presence, electronic communication and information management. The company focuses on services like application maintenance, Development & integrated services, Data center management.

**Responsibilities:**

* Involved in the requirements gathering. Design, Development, Unit testing and Bug fixing
* Developed user interface using **JavaScript, CSS, and JSP’s.**
* Worked with core Java **Collections**, **Serialization**, **Generics**, **Annotations** and **Exception Handling** to implement back-end business logic including **Entity Beans** and **Session Beans**.
* Developed custom tags for implementing logic in JSP’s.
* Used **Spring IOC** for injecting the beans and **Hibernate** for connecting to the database
* Exposed and consumed **SOAP** based **Web Services** to communicate between systems.
* Used Java **script, jQuery, JSTL, CSS and Struts 2 tags** for developing the JSP’S.
* Used custom tags to display logic specific data in JSP'S.
* Involved in making release builds for deploying the application for test environments.
* Used **JMS API** for asynchronous communication by putting the messages in the message queue.
* Wrote **SQL** to update and create database tables.
* Used **JBOSS** as application server and used **Maven** to build the application
* Used **Eclipse** as IDE and Created **JUnit** test cases for unit testing application.

**Environment: J2EE, Java, Struts, JSP, JNDI, SOAP, Spring, Hibernate, JavaScript, JMS, Maven, JUnit, JBOSS.**