**CHANDANA**

Sr. Full Stack Developer

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**PROFESSIONAL SUMMARY**

* Around 10 years of experience in the IT industry, specializing in the analysis, design, development, testing, and Integration of large client-server and web-based applications using **Java/J2EE technologies**.
* Experience in the **Software Development Life Cycle (SDLC)** process, which incorporates **requirement** **gathering**, **Business Requirements Document (BRD) creation**, **analysis**, **developing**, **testing**, and **implementing** life cycle utilizing approaches like **Agile** (**Scrum)**, **Waterfall,** and **Test-Driven Development**.
* Proficient in core Java concepts like **Collection Framework, Multi-threading, Generics, Annotations, Serialization, Thread pools, Java Beans,** and **Externalization**.
* Expertise in developing web pages using **HTML5, CSS3, JavaScript/TypeScript, jQuery, BackboneJS, Ajax, Angular4/6/8, ReactJS, Bootstrap** with webpage across browser compatibility and **responsive web design**.
* Experience with **Java 1.8/11** features such as **Lambda** **Expressions** for making inline function calls using Functional Interfaces, making code readable and concise.
* Expertise in **RESTAPI’s** development with **Spring Boot** configuration and maintenance of Micro Services with **Eureka** discovery platform, Launching, and configuration of **AWS** instances with load balancing.
* Experience in developing the application with **Service Oriented Architecture (SOA),** **Micro Services Architecture**, Test-Driven Development, and **Behavior Data Driven (BDD)**.
* Experience in **AWS** services including **EC2, S3, RDS, Redshift, CloudFront, EFS, DynamoDB, CloudWatch, EKS, ECS, ALB, NLB,** and **MFTS**, with advanced proficiency in deploying infrastructure with **Terraform** and managing resources efficiently.
* Hands-on experience with **Dynatrace** for monitoring application performance, real-time analytics, and troubleshooting.
* Worked in container-based technologies like **Docker, Kubernetes, Ansible, OpenShift,** and **PODMAN**.
* Developed web-based enterprise applications using **core Java, J2EE, Servlets, JSP, JMS, JDBC, Hibernate, Web Services (SOAP and REST), MVC framework (Struts, Spring MVC),** and **SQL**.
* Proficient in implementing frameworks like **Struts**, **Spring** **(Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Data, Spring Batch, Spring TX),** and **AJAX frameworks (Rich Faces, My Faces)**.
* Experience implementing **Spring ORM module** and **Hibernate** to deal with database operations.
* Experienced with Middleware Technology Messaging Brokers like **JMS, ActiveMQ,** and **Apache Kafka**.
* Developed applications using **Python** for scripting, automation, and **DevOps** tasks, including **CI/CD** pipeline setup, and infrastructure automation using tools like **Jenkins** and **Ansible**
* Experience in working with the **NoSQL Database** like **MongoDB** to manage extremely large data sets.
* Proficient in developing Web Services, related technologies &frame works: **WSDL, SOAP, REST, JAX-WS, JAXB, JAX-RPC, AXIS** and **Jersey, SOAP UI,** and generating client’s client using **Eclipse** for **Web Services consumption**.
* Experienced in **React.js** with a strong background in **Flux** and **Redux** architecture, applying complex **Object-Oriented** concepts to enhance website performance.
* Proficient in **Angular**, with extensive experience in building dynamic web applications using Angular versions such as **Angular 11+**.
* Extensive experience working with **RDBMS** such as **MySQL, MS SQL Server,** and **Oracle**.
* Worked on deployment, installation, configuration, and issues with Application servers like **Apache Tomcat, IBM Web Sphere, BEA WebLogic,** and **Enterprise Application Server**.
* Experienced in developing web applications using **various design patterns, including session facade, MVC, Data Access Object, Singleton,** and **Factory Pattern**.
* Experience with **Mockito, TDD,** and **Junit** in developing test cases, and determining application functionality.
* Proficient in using **Selenium** for automating web application testing, with hands-on experience in writing and maintaining test scripts, performing cross-browser testing, and integrating with CI/CD pipelines.
* Experienced in **Splunk** Log Management, monitoring, and Email Notification to Users for threshold limit.
* Experience with different IDEs such as **Eclipse, Spring Tool Suite,** and **IntelliJ**.
* Actively involved in the DevOps streamlining process through **Jenkins** **CI** and **CD** Release Automation.
* Subversion **SVN, CVS, GIT, GitHub**, and Visual Source Safe as versioning software tools.
* Hands-on experience in building tools like **Maven**, and **Gradle**.
* Extensive experience with **Terraform** and **Infrastructure-as-Code (IaC)** to automate and manage cloud infrastructure across AWS environments.
* Extensively worked on **Pivotal Tracker** and **JIRA** tools for tracking the stories.
* **Configured** and **created** **application log files** using **Log4J**, and **Log4J2** to trace required application messages.
* Having Experience with **UNIX, Linux** commands, and Deployment of Applications in Server and the ability to work effectively on **Windows** platforms

**TECHNICAL SKILLS**

**Programming Languages:** C, C++, Java, J2EE, Python and SQL

**Tools and Framework:** Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring DAO, Spring ORM, Struts, JSF, JUnit, SOAP UI

**Java/J2EE Technologies:** Java, J2EE, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, Spring BOOT, Hibernate, JTA, JNDI, JPA JMS, Web Services (JAX-RPC, JAX-WS, SOAP, REST, WSDL, and RESTFUL), Microservices, Apache Kafka

**Web Technologies:** HTML5, CSS3, JavaScript, jQuery, Bootstrap, BackboneJS, Angular4/6/8/12+, ReactJS, JSF, AJAX, NodeJS, JSON Restful

**XML Technologies:** XML, XSL, DOM, XQuery, XSD and XSLT

**Databases:** Oracle, SQL-Server, SQL database, MySQL server, MS SQL, IBM DB2, MongoDB, NoSQL

**Web/Application Servers:** Apache Tomcat, IBM WebSphere, Web logic Application server, JBOSS.

**Cloud Technologies:** AWS, Spring Cloud, Azure, PCF

**Build Tools:** Maven, Gradle, Kubernetes, Docker, PODMAN and Jenkins

**IDE’s:** Eclipse, IntelliJ, Spring Tool Suite (STS)

**Testing Tools/ Others:** JUnit, Mockito, Selenium, Soap UI, Postman, Swagger, Cucumber, Log4j and JIRA

**Version Control:** SVN, GitHub, Bitbucket, and GIT

**Platforms:** Windows, Mac, Linux and Unix

**Methodologies:** Agile, Waterfall, Test Driven Development

**PROFESSIONAL EXPERIENCE**

**Client:** **Blue Yonder Inc. Scottsdale, Arizona | March 2022– Present**

**Role: Sr. Full Stack Developer**

**Roles & Responsibilities:**

* Involved in analysis, specification, design, implementation, and testing phases of the Software Development Life Cycle (**SDLC**) and used agile methodology (**SCRUM**) for developing applications, including integration with **Ivalua** for procurement solutions.
* Developed presentation layer using **HTML5, CSS3, JSP, JavaScript, jQuery, Bootstrap**, and client validation using **JavaScript, NodeJS, ReactJS,** and **JSON**. Implemented state management using **redux/flux** style patterns for ReactJS-based applications.
* Maintained **Interface** compatibility and **concurrency** in the project using **Java1.8** new features like default, static methods, and **Concurrency API** and **stream**, **Lambda** **expressions**.
* Designed and implemented data pipelines using **Amazon Redshift** to enable scalable and high-performance querying for analytics, ensuring seamless integration with other AWS services for data ingestion and transformation.
* Involved in implementing Microservices based on **Restful** **API** utilizing **Spring** **Boot** with **Spring** **MVC**.
* Implemented **Kafka** producers and consumers to manage data streams and integrated Kafka with Spring Boot for seamless event-driven communication across microservices.
* Used Web Services for creating rate summaries and used **WSDL** and **SOAP** messages for getting useful plans from different modules.
* All the functionality is implemented using **Spring Boot** and **Hibernate** **ORM**. Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions,** and **Spring security modules**.
* Implemented **Core Java** concepts like **Multithreading, Concurrency, Exception Handling,** and **Collections** whenever necessary.
* Implemented **OAuth API, JWT Security** for Mobile and Partner Channels, and **LDAP** & **GitHub** Integration with **API** Connect Platform.
* Designed and integrated the full-scale Spring / Hibernate persistence solution with the application architecture.
* Developed end-to-end functionality in Java 1.8 using Spring Boot and Deployed this application on Pivotal Cloud Foundry (**PCF**) and **AWS** platform.
* Used **Terraform** for **Infrastructure-as-Code (IaC)** to provision **AWS** resources like **EC2, S3, RDS, Redshift,** and **Route53**, ensuring efficient infrastructure management and scalability.
* Configured and managed load balancers (**ALB** and **NLB**) to optimize traffic distribution and high availability for the application.
* Implemented **MFTS (Managed File Transfer Service)** for secure and automated file transfers across environments.
* Installed and administered PODMAN independently, managing Pods and Containers, and handling container lifecycle, networking, and resource isolation in a daemon-less environment.
* Deployed **REST** **APIs** using **PODMAN** and implemented checkpoints/restore functionalities to manage containerized environments effectively.
* Implemented **REST API** Services on **JSON** and **OAuth & JWT** Token Based Security.
* Implemented the application using **Spring** **Boot** and **microservices**, and managed security with **Spring** **Security**.
* Leveraged **Dynatrace** for application performance monitoring, enabling proactive issue detection and resolution to maintain application health.
* Developed the **DAO layer** for the application using Spring and Hibernate template support.
* Used **JSTL** Tag library to create standard dynamic web pages and write **JSP** components
* Worked on **XML** and **JSON** to transfer and retrieve data between different applications.
* Worked on web services classes by using Service Oriented Architecture (**SOA**), **WSDL**, and **SOAP**.
* Responsible for creating an instance on Amazon EC2 (**AWS**) and deploying the application on it.
* Installed, secured, and configured **AWS cloud servers** and AWS **virtual servers** (**Linux**).
* Worked on AWS services to deploy static websites and dynamic Web Apps on **EC2** using **Elastic** **Beanstalk** and **Elastic** **Container** **Service** **Docker**.
* Integrated into an **API Gateway** for microservices management and request routing.
* **Splunk** search construction with an ability to create well-structured search queries that minimize performance impact.
* Involved in **Splunk GUI** development creating **Splunk apps, searches, Data models, dashboards,** and **Reports** using the **Splunk query language**.
* Monitored data in **Splunk** **index**, **SQL**, and **NoSQL** databases, and configured backups.
* Used **Python Scripting** to **automate** tasks such as **data processing**, **log monitoring**, and **application deployment**.
* Implemented **Microservices** using the AWS platform built upon Spring Boot Services.
* Used **MongoDB** for high-performance data storage and retrieval, focusing on scalability and flexibility for microservices.
* Worked on installation and configuration of **Concourse CI** to create pipelines and set up automated workflows for **CI/CD** with Pivotal Cloud Foundry (**PCF**), **OpenShift,** and **AWS**.
* Developed the **Swagger** interactive **Rest API** documentation system that made consuming the API a breeze for partner organizations (Pivotal Cloud Foundry).
* Wrote **SQL** Queries, Functions, and Store procedures in **RDBMS** such as **Oracle**, and **SQL** databases.
* Used **MongoDB** as a **NoSQL** database to handle **unstructured** **data** and implemented schema design strategies.
* Used **RabbitMQ** message broker to route messages to the clients across the cloud network.
* Used **Maven** as a build automation tool and was responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using **Jenkins** Experience in **JUnit** and worked on **Log4j** for logging errors.
* Used **GitHub** and **Bitbucket** as Version Control tools, **Jira** for issue tracking, and **IntelliJ** as IDE
* Deployed and tested the application in **UNIX** on **Web Logic Application Server**.

**Environment:** Agile Methodology, Ivalua Java 1.8, J2EE, HTML, CSS, JavaScript, jQuery, ReactJS, redux/flux style pattern, JSP, JSTL, Spring, Hibernate, Kafka, XML, XSD, SOAP UI, Postman, Web Services (REST & SOAP), Microservices, Log4j, JUnit, RabbitMQ, Oracle, SQL database, MySQL, NoSQL, MongoDB, JSON, SOA, Jenkins, Gradle, GitHub, Bitbucket, IntelliJ, Pivotal Cloud Foundry (PCF), AWS Services OpenShift, API Gateway, PODMAN, JIRA, Splunk, Linux shell scripting, Python scripting, and UML.

**Client: ADT Security Services Oak Brook, IL | May 2019 – February 2022**

**Role: Full Stack Developer**

**Roles & Responsibilities:**

* Involved in various phases of the Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development, and testing.
* Designed and coded application components in an **agile** environment utilizing Test-driven development (**TDD**).
* Developed user interface using **HTML5, CSS3, JavaScript, Angular6/8/12+, JSP, JavaScript, NodeJS, BackboneJS,** and **jQuery** to make the DOM manipulations and **Ajax** calls.
* Designed and implemented server-side **Restful web services** using **NodeJS** and applied data structures and algorithms to optimize performance.
* Used **Apache** **POI** for uploading Excel files and optimized the load time by extensively leveraging **Java8** **lambda** **expressions,** **streams,** **data** **structures,** and **parallel** **streams**.
* Developed business logic with the help of **Spring** and Data Access was implemented by using **Hibernate**.
* Utilized **Apache Kafka** for asynchronous communication between microservices, implementing reliable message queues, and handling event-driven data flows.
* Implemented web services for communication between distributed components using the **SOAP** protocol with **Apache Axis**.
* Designed and developed **RESTful** web services that support **JSON** for other developers to access to speed up development using **Spring MVC, Spring Boot, Web Services, JSON, Log4j, RESTful, MySQL,** and **Maven**.
* Worked on **MongoDB** to manage unstructured data and ensure high availability and scalability for microservices.
* Developed responsive and dynamic user interfaces using **Angular Material**, and **Bootstrap**, ensuring cross-browser compatibility and a seamless user experience across different devices and screen sizes
* Designed and developed **Microservices** business components using **Spring** **Boot**.
* Worked to secure our RESTful web services using **OAuth 2.0** with **Spring** **security** to authenticate.
* Experience with using **Integration Kits** and **Token Translators** for integrating identity-enabled web services into **SAML** for **SSO** environment.
* Performed Web services testing between third-party applications using **Soap UI** and performance functional testing of REST APIs using **JMeter**.
* The application uses the **Struts** framework. The views are programmed using **JSP** pages with the struts tag library, the Model is a combination of **EJBs**, and Java classes, and web implementation controllers are **servlets**.
* Implemented Object-relation mapping in the persistence layer using the **hibernate (ORM)** framework. Extensively used **DAO patterns**, including mapping **DAO** **objects**, and configuring files and classes to interact with the **Oracle database**.
* Created and managed **S3** **buckets**, configured policies, and utilized **S3** and **Glacier** for storage, backup, and archiving in **AWS**.
* Involved in writing stored procedures, and complex queries using **SQL** to process the data on **Oracle** and **SQL-Server**.
* Worked with **Web Logic** application server to handle various Client requests.
* Set up the Continuous Integration (**CI**) process for the application using **Jenkins** and integrated **Python** scripts for **DevOps** automation.
* Worked on **Log4J** to validate functionalities and **JUnit** for unit testing.
* Performed **unit** testing on various project modules using the JUnit framework.
* Involved in issue tracking and agile project management using **JIRA**.
* Used **Git** to maintain the version of the files and took responsibility for doing the code merges and creating new branches and forks when new feature implementation started.

**Environment:** Agile methodology, Java 1.8, J2EE, HTML, CSS, JavaScript, jQuery, Ajax, BackboneJS, JSP, Servlets, Angular6/8/12+, NodeJS, Angular Material, Bootstrap, MongoDB, Microservices, Apache Kafka Spring, Spring boot, Jersey, Spring Cloud, Spring MVC, Spring JDBC, EJB, Struct, Spring ORM, SAML, OAuth 2.0, JMeter, SOAPUI, RESTful, Hibernate, Web Logic, AWS, Apache AXIS, JUnit, Maven, Git, Log4j, JIRA, Jenkins, Eclipse IDE.

**Client: CVS Pharmacy, Inc. Irving, Texas | January 2017 – April 2019**

**Role: Java Developer**

**Roles & Responsibilities:**

* Worked on the **Agile** methodology having sprint for every two weeks.
* Developed the application with various Spring Framework modules like **Spring IOC, Spring Boot, Spring Security,** and **Spring Batch**.
* Implemented the **REST APIs** and data transformers using the JAVA connector which involves the use of Java8 features Lambda and Streams.
* Worked on creating the user interface with a role-based login system using **Angular 8** and did frontend validations as per UX requirements.
* Used **ReactJS** to create Single Page Applications (**SPA**) which can bind data to specific views and synchronize data with server and ReactJS.
* Used **JavaScript**, **ReactJS**, and **AJAX** technologies for front-end user input validations and **Restful web service calls**.
* Developed **REST** **APIs** using **Spring MVC** and **Spring Boot** and hosted all **Microservices** on **Azure**.
* Developed the persistence layer using **Hibernate** Framework by configuring the various mappings in Hibernate files and created the **DAO** layer.
* Hands-on Coding to build **REST Micro Services** using **Spring Cloud, MongoDB (NoSQL), Oracle, XSD, JSON, Spring Config, Cloud Foundry,** and **Jenkins** and tested them using **Postman**.
* Designed and integrated the full-scale Hibernate persistence solution with the application architecture.
* Deployed a multitude of applications utilizing almost all of **Azure** Stack (Including **Virtual Machines, Blob Storage, Azure SQL Database, Azure Cosmos DB for NoSQL,** and **Azure Queue Storage**), focusing on high availability, fault tolerance, and auto-scaling.
* Worked on **OpenShift** Incident resolution working closely with Pipeline/**DevOps** teams, analyzing logs, and performance, and supporting the application team or tuning the platform **API** connect and **DataPower**.
* Worked on tuning stored procedures, triggers, and queries in **MySQL**.
* Configured with **Red** **Hat** **OpenShift** Container Platform for **Docker** and **Kubernetes**. Used Kubernetes to manage containerized applications using its **nodes**, **ConfigMaps**, **selector**, **Services**, and deployed application containers as **Pods**.
* Configured **Ansible's** dynamic inventory feature to provision **Azure** resources for **OpenShift** deployment.
* Provided pre-prod support to handle the requests and issues that came in.
* Built and maintained **Docker** and **PODMAN** container clusters managed via **Bash**, **Git**, and Docker on **Azure**, utilizing **Kubernetes** and PODMAN for **CI/CD** system environments to **build**, **test**, and **deploy** **applications**.
* Experienced in monitoring tools like **Splunk**, **App** **Dynamics**, and **Wavefront**.

**Environment:** Agile, Java1.8, Angular 8, Microservices, Spring Boot, Azure (including Virtual Machines, Blob Storage, Azure SQL Database, Azure Cosmos DB for NoSQL, and Azure Queue Storage), MongoDB (NoSQL), Spring MVC, Spring JDBC, OpenShift, Ansible, Spring ORM, Docker, PODMAN, Jenkins, RESTful, Tomcat, Gradle, Git.

**Client: TrySecondOpinion Hyderabad, India | October 2013 – July 2016**

**Role: Java Developer**

**Roles & Responsibilities:**

* Involved in various Software Development Life Cycle (**SDLC**) phases of the project like Requirement gathering, development, and enhancements using **waterfall** methodologies.
* Developed the user interface using **Spring MVC, JSP, JSTL, JavaScript, Custom Tags, jQuery, HTML,** and **CSS**.
* Used **Spring MVC** for implementing the Web layer of the application. This includes developing Controllers, Views, and Validators.
* Developed the service and domain layer using Spring Framework modules like **Core-IOC**, and **AOP**.
* Used **AOP** concepts like aspect, join point, advice, point cut, the target object, and AOP proxies
* Implemented **Spring JMS** message listeners with **JMS** queues for consumption of Asynchronous requests.
* Developed the Application Framework using **Java, Spring, Hibernate,** and **Log4J**.
* Configured **ApplicationContext.xml** in **Spring** to adapt communication between Operations and their corresponding handlers.
* Configured **Hibernate session factory** in applicationcontext.xml to integrate **Hibernate** with **Spring**.
* Implemented the caching mechanism in **Hibernate** to load data from the **Oracle/SQL** database.
* Developed **Spring** rest controllers to handle **JSON** data and wrote Dao’s and services to handle the data.
* Created **DB tables, functions,** and **joins** and wrote prepared statements using **PL/SQL** for the SQL database.
* Consumed and Create **REST** **Web** **services** using **Spring** and **Apache** **CXF**.
* Developed **MySQL** stored procedures and triggers using SQL to calculate and update the tables to implement business logic within the SQL database.
* Developed unit test cases using the **JUnit** tool and **Mockito**.
* Utilized **Linux shell scripting** for automating repetitive tasks in the production environment, such as application deployments, service restarts, log rotations, and monitoring server health through cron jobs. This improved system stability and reduced manual intervention.
* Used **IntelliJ** for development and **JBoss** Application Server for deploying web applications.
* Used **Maven** to build the application and monitored the error logs using **log4j**.

**Environment:** Agile methodology, Spring MVC, JSP, JSTL, JavaScript, jQuery, HTML, CSS, Spring AOP, Spring JMS, Hibernate, SQL database, JSON, PL/SQL, REST web services, JBoss, Maven, log4J, Linux shell scripting.

**EDUCATION**

Bachelor of Technology in Electronics and Communication Engineering, ***JNTUH* India | 2013**