**Bharat Raj**

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**412-543-8879**

* Around 9+years of proven expertise in enterprise software development life cycle and architecture with Open/Distributed System platform using Core Java and J2EE, Web services, Rest API, Frameworks and Technologies.
* Worked extensively in Core Java concepts like OOPs, Exception Handling, Collections, Multi-Threading.
* Strong experience in Client-Server systems using Object Oriented Concepts and Design Patterns.
* Proficient in programming with Java/J2EE and strong experience in J2EE technologies like JSP, Servlets, EJB, JDBC, JMS, JNDI and Web Services in the application development.
* Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining and troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).
* Development using technologies like Core Java, JSP, Servlets, JDBC, SpringMVC, Hibernate, Maven, and Restful Webservices, SpringBoot, Microservices
* Developed the integration workflows using an ESB framework.
* In-depth knowledge of HTTP, SOAP and RESTful APIs.
* Excellent understanding of enterprise application development on cloud platforms like AWS, Open Shift and Azure. Experience developing Single Page Application (SPA) with Angular 4 and Web API.
* Coded extensively in AngularJS to make rich internet web pages.
* Extensively worked on n-tier architecture system with application system development using Java, JDBC, Servlets, JSP, Web Services, WSDL, SOAP, spring, Hibernate, XML, SAX, and DOM.
* Experience developing front-end components JSP, DOJO, HTML5, CSS, JavaScript, JQuery, Ajax.
* Experience with tools like Experience with Docker Images/containers and kubernetes
* Involved in preparing use-case, functional, technical design of the project and test case documents.
* Experience in DOM (Document Object Model) to use in interacting with objects in HTML, XHTML and XML documents.
* Have good understanding about Database technologies for both Relational Database (MySQL, Oracle) and NoSQL (Mongo DB, Mongoose plugin).
* Experience in working with Github and GitBucket.
* Developed Docker image and containers for the application by configure Dockerfile using Docker Compose to manage images.
* Hands on experience in developing user interfaces for Desktop, Mobile, and Tablet using Java Script, CSS2, CSS3, jQuery, JSON and AngularJS & React JS.
* Use of Restful web services, very good understanding of web services and Restful APIs.
* Hands-on experience working with the JMS provider IBM MQ Series. Developed Message Driven Beans (MDB) and extensively used the JMS API.
* Expertise in building WEB API & Web Services using WSDL, UDDI and SOAP Protocol and consuming/publishing Web Services.
* Experience in creating, maintaining and cleanup the containers on Docker.
* Worked on Docker container snapshots, attaching to the running container removing images, managing containers.
* Created AWS Security Groups for deploying and configuring AWS EC2 instances.
* Expertise in various components in spring such as IOC, AOP, Spring JDBC, Spring MVC.
* Hands on experience in Application Development using JSP, Servlets, spring (Dependency Injection, Spring AOP, Spring JMS), Hibernate, Struts, Java script and PL/SQL.
* Hands on expertise in front-end development utilizing JavaScript frameworks such as Angular JS, jQuery as well as front end technologies HTML5, CSS, and Ajax.
* Good knowledge in Cloud computing infrastructure such as Amazon web Services (AWS). Worked on EC2 and S3, ELB.
* Developed code for Responsive web design in JavaScript using frameworks like Angular.js, React.js. Configured Docker containers and Kubernates to manage dozens of micro services
* Hands-on experience with various Application servers and Web servers (WebLogic, IBM Web Sphere Application Server, JBoss, and Tomcat) with wide variety of development tools like IBM RAD, My Eclipse and Net Beans.
* Good knowledge of other services in AWS like Cloud front, Glacier, Cloud Trail and SNS.
* Intermediate experience with Advanced JavaScript (including prototype-based inheritance, AJAX, JSON) and familiar with JavaScript frameworks such as jQuery, and Angular JS.
* Hands on experience with Relational databases including Oracle, SQL Server and MySQL and experience in writing Complex SQL Queries, PL/SQL Stored Procedures, Triggers, sequences, Indexes and Views.
* Strong Hands-on experience in creating robust Graphical User Interface applications using JavaScript, AngularJS, JSON, and Mongo DB (MEAN stack).
* Experience in diverse software applications built on Iterative, Agile software development methodologies.
* Experience with CSS and leveraging best practices, modifications of existing CSS files to enhance the user experience.
* Strong experience in using Version Control Systems such as Perforce, CVS to manage the source code of the applications.
* Worked on build and deployment tools like ANT, MAVEN and Jenkins.
* Experience with operating systems like UNIX, LINUX and WINDOWS.
* Expertise in Troubleshooting, Analyzing, performance tuning and testing.
* Very good understanding of software development life-cycle (SDLC) process.
* Ability to multi-task, work independently and as part of multiple team.

**TECHNICAL SKILLS:**

Languages : Java, J2EE, SQL, PL/SQL, C, C++

Java Technologies : JSP, JSF, JDBC, Servlets, JNDI, JavaScript.

Web Technologies : HTML, DHTML, HTML5, XML, CSS, AJAX, JavaScript, JQuery, DOJO, JSON, AngularJS

App/Web Servers : Apache Tomcat, IBM WebSphere, WebSphere MQ, Web Logic, JBOSS, Glass Fish.

Design Patterns : MVC, Front Controller, Singleton and DAO Patterns.

Databases : Oracle, SQL-Server, My SQL, Post Gre, ORM Hibernate.

Methodology Agile : IDE Eclipse, Oracle Jdeveloper, NetBeans, RAD.

Frameworks : Struts, Hibernate, Spring.

Operating Systems : Windows, Linux, Unix.

Version Control Tools : Clear Case, CVS, Subversion Tools, Perforce.

Other Tools : MS Office, SOAP, ANT, MAVEN, TOAD, Jenkins.

**PROFESSIONAL EXPERIENCE:**

**U.S. Bank** **April 2022 – Till Now**

Financial Services Company

Role: Software Engineer II

**Description:** This Project is onboarding application based on Users. Codat digital servicing API create a new customer in Mid accounts, From Accounts API will get the customer Mid ID. Codat servicing API the request will get the connections lists from the Cassandra. Mainly this application involves analyzing the historical and forecast data for customers. Customers will be onboarded by quickbooks or Freshbooks applications.

* Developing Backend Spring bootresources to serve the JSONdata to the web interface.
* Developing Microservice architecture using REST APIs in Spring boot and Maven. Implemented exception handling in Java Spring boot for REST API by making use of Exception Handler and Controller Advice annotations.
* Implemented the application using Spring Boot Framework and handled the security using spring security.
* Involved in deploying and testing the application using Tomcat Server.
* Writing test cases using Junit, Mockito for webservices test.
* Developed front-end components using HTML5/CSS3 and Angular 8.
* Using Jenkins for continuous integration (CI/CD) in which all development work is integrated and involved in deploying the application using Docker.
* Supported and enhanced existing applications developed using Java, spring, Hibernate, JMS and REST web services
* Involved in application development following Agile Scrum methodology by taking part in analysis, design, coding, unit, and integration testing of business applications.
* Integrating Java Applications with JSON-based REST APIs.
* Configured and customized logs using Log4J.
* Executed DB scripts to insert and update NoSQL database and reporting.
* Using Git Lab repository to manage and share our code base.

**CapitalOne. Wilmington, DE May 2020 –April 2022**

Bank Holding Company

Role: Java Developer

Worked on building the Kylo UI page for Customers, which create a data ingest feed using Kylo that ingest data from a flat file. Feeds are registered in the catalog exchange with unique ids.

* Developed and involved in doing integration by using restful services using spring boot
* Involved in full SDLC, designing software architecture, detailed design, data design, coding, testing and

creation of functional and technical documentation.

* Designed dynamic user interface pages using HTML5, bootstrap, CSS3, jQuery, Bootstrap, Typescript and Angular.
* Developed various Angular directives such as Attribute and Structured Directives, Query params, Pipes, Filters and Services for building the functionality.
* Implemented routing for navigating through various pages and used router guards for providing pop-up messages and role-based authorization checks.
* Designed and implemented Kafka producer Application to produce near real time data using Apache Kafka Connect Framework
* Used Docker as a new level of simplicity to define and create applications or services by encapsulating them in containers.
* Worked on Spring Kafka API calls to process the messages via Kafka Cluster setup.
* Design and develop spring Apache Kafka based Microservices to produce and consume inventory events from/to various systems
* **Interacted with Kafka using spring kafka, spring cloud and created Topics**
* Worked on Kibana and Elastic search to identify the Kafka message failure
* Implemented Docker containers to create images of the applications and dynamically provision slaves to Jenkins CI/CD pipelines
* Used Angular Http for asynchronous validations for the input fields of the forms with the data existed in the database.
* Implemented Spring boot, Dependency Injection (DI), Inversion of Control (IOC) and aspect-oriented programming (AOP) features along with hibernate.
* Working under agile development with Scrum methodology
* Developed Micro Services using Spring Boot to divide the application into various sub modules
* Used GIT for source code management in local and later shifted to enterprise SourceTree (GIT GUI visualization tool).
* Extensively used postman scripts and Swagger to share the contract details (API details) with internal developer and QA teams.
* Created some modules in spring boot application using Spring boot, Spring batch, Spring Security to deploy in Cloud environments using EC2 instances.
* Worked with stored procedures and database connections to the services.
* Created **S3 buckets** in the AWS environment o store flies, sometimes which are required to serve static content for a web application.
* Knowledge on Docker to create Containers using Docker file and using Docker compose.
* Used **IAM** for creating roles, users, groups and implemented **MFA** to provide additional security to AWS accounts and its resources.
* Implemented **domain name service** **(DNS)** through route S3 to have highly available and scalable applications.
* Created **EBS volumes** for storing application files for use with **EC2 instances** whenever they are mounted to them.
* Configured **AWS CLI** and performed necessary actions on the AWS services using shell scripting.
* Worked on CI/CD pipeline for code deployment by engaging different tools. Created scripts in which integrated with Amazon API to control instance operations.

**Fidelity Investment, Durham, NC Mar2019-Apr2020**

Financial services company

**Role: Java Developer**

Worked on student debt retirement project. My current role in the project is verification of loans for the participants enrolled through the student debt retirement contribution. The loans are verified whether they are student loans or not based on the information provided by third party financial services vendor. We have developed REST services to consume the required financial information from third party API's. The participants info is then stored in our database based on their verification status. The eligibility of then participant will be then decided based on the loan verification.

**Responsibilities:**

* Worked agile software development with Scrum methodology.
* knowledge of **Angular 4/6** commonly used modules and creating reusable Components**,** Pipes and Services.
* Working as a UI Developer for internal application
* Developed Application to asses JSON and XMl from Restful web service from consumer side using JavaScript and Angular.
* Microservices API integration using Java8, Spring Boot, AWS, Apigee, Confluence, DC/OS, Docker, Marathon and Cloud technologies.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup
* Implemented to reprocess the failure messages in Kafka using offset id.
* Configured **Kafka** to read and write messages from external programs
* Developed end to end data processing pipelines that begin with receiving data using distributed messaging systems **Kafka** through persistence of data into **HBase**
* Worked on Java 8 with lambda expressions to process and store the data.
* Developed Networking policies for Docker containers. Worked on open source development tools like Docker Containers Mesos and Kubernetes. Also, worked on GitHub.
* Used Docker containers for eliminating a source of friction between development and operations.
* Developed the front-end web page by using HTML5, CSS3, and JavaScript, taking advantage of the frameworks.
* The application flow is designed and developed using JDBC, HTML5, CSS3 and JavaScript.
* Developed the Rest APIs by using the spring boot with spring tool suite IDE
* Oracle is used for the datastore and stored procedures. We extensively used spring JPA for database queries.
* Configured Spark streaming to receive real time data from the Kafka and store the stream data to HDFS using Scala.
* Knowledge on the services configuration, managed the pool connection and size for database.
* Developed OAUTH authentication, fortress for Authorization services.
* Bitbucket was used for code management and sharing.
* Used Docker containers for eliminating a source of friction between development and operations.
* Developed end to end data processing pipelines that begin with receiving data using distributed messaging systems Kafka through persistence of data into HBase.
* Deployed Spring Boot based micro services Docker container using Amazon EC2 container services and using AWS admin console
* Experience writing unit test cases (Junit, Mockito) with coverage.
* Used Jenkins to execute the maven project as well to build the version system tool.
* Involved in configuring XML mapping files and POJO objects.
* Implemented REST Web services to retrieve data from client side.
* Build REST web service by building Node.js Server in the backend to handle requests sent from the front-end.
* I have extensively used postman scripts and Swagger to share the contract details (API details) with internal developer and QA teams.
* I have used the docker to deploy services in non-prod environment (development environments) and Jenkins for the pre-prod management environments.
* Used Spring Boot with Spring Security for all types of authentication.
* Application was designed and developed using the Spring framework. Used Spring Dependency Injection to inject required services.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for micro-services.
* Developed Networking policies for Docker containers. Worked on open source development tools like Docker Containers Mesos and Kubernetes. Also, worked on GitHub.
* Used JIRA for creating and following up with the issues.
* Monitored error logs using **Log4J** and fixed the problems.

**Environment:** Java 8, J2EE, Spring boot, REST, log4j, Slf4j JUnit, Mockito, Oracle DB, Oracle SQL Developer Angular, CSS 3, HTML 4/5, Tomcat, Spring Tool Suite (STS), Jenkins, Docker, Bitbucket, Git, GitHub, swagger, Postman, SourceTree.

**XEROX CORPORATION, Norwalk, CT May2017- Mar 2019**

# Java Developer

Government Healthcare Services Maintained claim and billing submission web portals for clients in Wyoming Medicaid, DOL and Montana Medicaid while working virtually to develop custom front- and back-end functionality. Utilized Java / J2EE / XML/ Weblogic / MQSERIS / DB2 / Struts2 / CMF / Eclipse by client request, providing 24/7 on-call support for critical production support issues and system test environments.

**Responsibilities:**

* As a Developer/Analyst was responsible for the technical design, development, unit and integration testing.
* Implemented agile software development with Scrum methodology.
* Designed and developed GUI pages using CSS, HTML5, JavaScript, JSTL, and JSP.
* Worked on Docker container snapshots, attaching to the running container removing images, managing containers
* Used Mule ESB in designing the application as a middleware between the third party system and the customer side system.
* Worked on implementing Microservices architecture by using containers.
* Authored, designed and developed high performance JavaScript based framework wrapped in AngularJS from inception to completion.
* Implemented Docker containers to create images of the applications and dynamically provision slaves to Jenkins CI/CD pipelines
* Developed Java API to interact with the Amazon SQS for sending bulk emails.
* Implemented modules using Core Java APIs, Java collection, Java 8(Streams), multi-threading and object-oriented designs.
* Designed and developed Webservices in SpringBoot and deployed on WebSphere Liberty Application server for deployments.
* Redesigned complete legacy site using jQuery, Angular2, Node.js. Spring Boot, GIT, AWS.
* Developed front-end components using HTML5/CSS3 and Angular 4. Also involved in back-end in creating Web API with Entity Framework.
* Re-training in Microservices to transition to architectures that utilize the Cloud space, JavaScript and Microservices.
* Designed, built and deployed application using the AWS stack (Including EC2, Mongo DB, Docker, Kubernetes Orchestration container (EKS) focusing on high-availability, fault tolerance and auto-scaling.
* Implemented Spring MVC framework in the presentation tier for all the essential control flow, business level validations and for communicating with the business layer.
* Worked on core AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling and Cloud Formation.
* Performed form validations on the UI using Spring Validation framework.
* Maintained, structured and surveyed documents within NoSQL, MongoDB database; ensuring data integrity, correcting anomalies, and increasing the overall maintainability of the database.
* Have knowledge of managing and administering NoSQL database systems using Azure table
* Developed code using Design Patterns like DAO, Factory Pattern, Singleton and Value Objects.
* Extensively worked with SPRING framework and also struts config files.
* Implemented Spring MVC controllers like Controller, Simple Form Controller and Multi Action Controller.
* Developed functional components using different concepts of core java like Multi-threading and Collections.
* Used Spring Batch to execute batch programming and to process data from an external source.
* Experienced on implementing Rich Internet Applications i.e., RIAs using JavaScript, JQuery, AJAX calls and JSON data from the server.
* Deploying the applications using Docker container services and building continuous integration (CI) and continuous deployment (CD) pipeline using Jenkins with GitHub.
* Used Groovy, Java and Node JS for developing the Microservices required for the project.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Worked on AWS cloud services like EC2, S3, RDS, ELB, and EBS for installing, configuring and auto scaling.
* Implemented Spring Batch for reusable functions that are essential in processing large volumes of records including logging/tracing, transaction management, job processing.
* Designed and development of REST API's using WEB API 2
* Expert in HTML5/CSS3 development and have experience ReactJS, angular5.2, Responsive design.
* Developed API for using AWS Lambda to manage the servers and run the code in AWS.
* Developed RESTful/SOAP web services in Mule ESB based on SOA architecture.
* Configured the POJOs with backend tables in Hibernate to achieve the associations.
* Created Views, Sequences in the oracle database and modified the existing PL/SQL stored procedures.
* Was responsible in automating the deployment process by developing ANT build scripts.
* Deployed applications on AWS by using Elastic Beanstalk.
* Worked on JavaScript frame work (Angular JS) to augment browser based applications with MVC capability.
* Used log4J for enabling logging and debugging at the runtime.
* Used Junit API for testing in a Test Driven Environment (TDD).
* Review the code/technical documents sent from the offshore.
* Used JIRA for creating and following up with the issues.
* Updating websites using Angular2, Node.js, NPM, AWS. React.js and Spring Boot.
* Used GIT combined with GIT LAB & GIT HUB for the code repository.
* Responsible to provide any clarification required at offshore.
* Developed interactive and dynamic web pages using JavaScript.
* Provide the functional and technical knowledge to the team members.
* Participate actively in the deliverables prioritization meeting.
* Provide the technical analysis to offshore to work on any defects.

**Environment:** Java, J2EE, JSP, Servlets, API, Spring MVC, Spring Batch, JavaScript, CSS, HTML, Angular JS, AWS, JDBC, Log4J2, Toad, JIRA, TDD, BladeLogic,HTML5 GIT, Oracle, Hibernate, Ajax, Mongo DB,Windows, WebLogic 12.1. SQL.

**CVS Health, Chicago, IL April 2016 -Apr 2017**

The Caremark Messaging Platform (SOA based [SOAP and REST]) provides the capability to message members, clients and health professionals using a centralized messaging hub.

**Responsibilities:**

* Involved in software development life cycle (SDLC), which includes requirement gathering, design, coding, testing.
* Implemented application with Spring MVC framework and Spring Boot which includes writing Controller classes for handling requests, processing form submissions.
* Designed and developed Business Services using Spring Framework (Dependency Injection) and DAO Design Patterns.
* Designed application modules, base classes and utility classes like different types of Collections using Core Java.
* Configured log4J for SpringBoot Microservices.
* Integrated REST API with Micro services for communicating through resources using Spring Rest Templates and developed Restful web services interface to Java-based runtime engine and accounts.
* Deployed Java applications in Docker containers to AWS machine images.
* Designed and implemented customized exception handling to handle the exceptions in the application.
* Used JSP’s HTML on front end, Servlets as Front Controllers and JavaScript for client side validations.
* Used Jquery, AngularJs to manipulate the DOM objects for User interface look and feel and for Ajax calls.
* Implemented Spring Batch processing for sending tasks and alerts in a batch.
* Implemented the business layer by using Hibernate with Spring DAO and also developed mapping files and POJO Java classes using Object-Relational Mapping (ORM) tool.
* Implemented persistence layer using Hibernate. Hibernate Transaction Manager is used to maintain the transaction persistence.
* Utilized Kubernetes and docker for the runtime environment of the CI/CD system to build, test and deploy. Also, used monitoring platform on Kubernetes to report detailed resource usage information.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI's.
* Implemented Microservices Architecture, with SpringBoot-based services interacting through a combination of REST, SOAP web services.
* Composed and executed MongoDB scripts to insert and update NoSQL database and reporting.
* Developed Micro Services and APIs using Spring Boot and used Apache Kafka cluster as messaging system between the APIs and Micro Services.
* Created an AWS RDS Aurora DB cluster and connected to the database through an Amazon RDS Aurora DB Instance using the Amazon RDS Console.
* Used GitBucket repository to manage and share our code base.
* Established continuous integration (CI) practices and standards in creating APIs with JIRA, Jenkins.
* Designed the user interface of the application using HTML5, CSS, JSF 2.1, JavaScript and AJAX.
* Extensively Used HTML5, CSS3 and angular Js for developing the web pages.
* Implemented JavaScript source code and embedded nested event handling logic using JQuery event handlers and call back functions.
* Integrated JPA persistence using Hibernate in order to save the current state of the drools session using the Spring Framework integration.
* Developed XML configuration and data description using Hibernate. Used DAO pattern to retrieve the data from database.
* Performed configuration, deployment and support of cloud services including Amazon Web Services (AWS).
* Developed single page web application using JavaScript framework Angular JS.
* Involved in the Design of ERD (Entity Relationship Diagrams) for Relational database.
* Developed web service for web store components using JAXB.
* Implemented Business logic in the middle-tier using Java classes, Java beans.
* Used different JAX-WS standards with better understanding on WSDL, SOAP using various message patterns.
* Worked on implementing REST/SOAP Web Services from mule flows and also on various connectors in mule such as HTTP, HTTPS, Web Service Consumer, Servlet, FILE, Database, and Sales Force.
* Designed and developed UI screens using HTML, JSP, JavaScript and CSS.
* Developed JMS components to send messages from one application to other application internally.
* Developed application using AngularJS connecting to Oracle on the backend.
* Implemented new features to deploy on Mule application servers.
* Worked on setting up and configuring AWS EMR Clusters and Used Amazon IAM to grant permissions on AWS resources to users.
* Developed and performed unit testing using JUnit framework in a Test Driven environment (TDD).
* Created and modified Stored Procedures, Functions, Triggers and Complex SQL Commands using PL/SQL.
* Used Maven building tool.
* Used XSLT for transforming XML documents.
* Used Log4j for Logging various levels of information like error, info, debug into the log files.

**Environment:** JDK1.6, J2EE, JDBC, Servlets, JSP, Spring MVC, Spring Batch, Hibernate, JMS, Oracle 10, Elastic Search, HTML, JavaScript, XML, JSTL, Eclipse, AWS, API, ESB Mule,Junit , Mongo DB, Web Sphere Application Server, Jenkins, SVN, Maven, Windows XP, Ajax, jQuery.

# Times Business Solutions Ltd -Hyd March 2014 - Dec 2015

**Java Developer**

Hire.timesjobs.com is a well-known job portal in India. It receives resumes from job seekers. It provides services like Database Access- which enables to access the most active database in India, Job Posting- refers to an online job advertisement posted on Timesjobs.com for a job vacancy, Visibility Services- ensure high visibility to the candidate traffic directly from the home page thereby ensuring increased and instantaneous response to your job listings, Xpress Hire with SMS Contact-This service will allow employers to send SMS to candidates to facilitate the instant contact by hire.timesjobs.com site.

**Responsibilities:**

* Involved in development of GUI using HTML and JSP where Java Servlets were used as the interface between the client and server.
* Effectively written JavaScript for the client side validations for the Job Portal.
* Developed Java Beans to handle business logic as a Model and Servlets to control the flow of application as controller.
* Involved in deployment of the Application on Web Sphere Application Server.
* Written JavaScript and Ajax functionality to get dynamic data and client side validation.
* Developed this application based on MVC Architecture.
* Designed and developed Customer registration and login screens using Struts 1.1, HTML, JSP, Servlets and JavaScript.
* Involved in Stateless Enterprise Java Bean programming on the server side for the communication between clients and Server.
* Conducted the SQL performance analysis on Oracle 11g database tables and improved the performance by SQL tuning.
* Worked extensively for loading/updating information asynchronously using AJAX.
* Involved in application testing manually and defects fixing.

**Environment:** J2EE, Java, Servlets, Struts, EJB, SOAP WebServices, JSP, JDBC, Eclipse, Websphere, Oracle, CSS, HTML, JavaScript, spring, HTML.

**EDUCATION:** Bachelors in Information Technology from JNTU, India.