**Johnson R Sudharshan**

**Sr. Java Full Stack Developer**

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**EXECUTIVE SUMMARY:**

* Over **eight years** of experience in **Object-Oriented Analysis**, **Design**, **Development** and **testing** of **Client/Server**, Web based enterprise business applications.
* Expert in various **Agile methodologies** like **SCRUM**, **Test Driven Development(TTD)**, **Incremental** and **Iteration methodology**, **Agile Development & Testing** using **Software Development Life Cycle(SDLC)**.
* Experience in **Java8** features like **Lambda expressions**, **Stream API**, **predicate functional interface**, etc.
* Experience in implementing **Java EE design patterns** such as **MVC**, **Singleton**, **Factory**, **Session Facade**, **DAO**, **DTO**, and Business Delegate in the development of multi-tier distributed enterprise applications.
* Experience in developing multi-tier distributed web applications using **Java**, **JEE**, **Servlet**, **JSP**,**JBDC**,**EJB3.2**,**JMS**,**Struts**, **Hibernate3.2/4.x, Spring 3.x/4.x**,**SOAP** and **REST** based **Web services (Axis2.0, JAX WS 2.0, JAX RS)**, **Rule Engines (Drools4.1, ILOG)**, **JBPM tools**.
* Experienced in **UI** frame works such as **JQuery**, **Ajax**, **Google Web Toolkit (GWT)**, **JavaScript**, **Node.js**, **Angular.js**, **Angular 2**, **Angular 4**, **ReactJs**, **VueJS**, **BackboneJS**, **Tag Libraries**, **Custom Tags**.
* Experience in developing Web-centric applications using **XML**, **Angular.js**, **XSD**, **JSON**, **JavaScript**, **Ajax**, **jQuery**, **CSS3**, **HTML5**, **Bootstrap**.
* Expert in developing **Java Selenium Web Driver/RC/IDE/GRID test scripts using Java, JavaScript, Python and Ruby and Test Frame works using Testing/ Junit, ANT/MAVEN build tools**.
* Extensive experience in working over Web Services with **WSDL**, **SOAP** and **RESTFUL** web services
* Experience in developing web application on **MEANstack (MongoDB, Express.js, Angular 2, Node.js)**.
* Experience in **Spring Framework** modules such as **Spring MVC**, **IOC**, **AOP**, **JDBC**, **JTA**, **IO**, **Spring Dashboard**, **Spring Boot**, **Spring Microservices**, **Spring REST**, **Spring Eureka**, **Spring Ribbon**, **Spring Netflix**, **Spring Zuul Proxy**.
* 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 **Spring Kafka** and **Zookeeper**.
* Experience in **Spring Security Framework** for User Access Management and involved **LDAP** configuration for authentication, authorization. Implementing **Spring Cloud**- REST call using **Netflix Feign Client**.
* Experience in **Microservices-Spring Boot**, **Pivotal Cloud Foundry** and Engagement using **Spring Boot**.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA Entities** for mapping Java classes using **Hibernate Query Language (HQL)**, **HSQL Named Queries**, **Criteria**, **Projections**.
* Extensive experience in **Unix commands, Shell Scripting and knowledge on Python.**
* Expertise in development applications using Type safe technologies like **Scala**, **Akka** model, **Play** framework.
* Proficient in using **Amazon Web Services (AWS)**services like **EC2**, **Elastic Beanstalk**, **CloudWatch**, **CloudFront**, **Cloud Formation**, **IAM**, **S3**, **RDS**, **ElastiCache**, **SNS**, **SQS**, **AMI**.
* Experience in Integration tools **Oracle SOA Suite**, **web-methods** and **ApacheCAMEL**.
* Experience in database modeling, design and development of **PL/SQL stored procedures**, packages in relational databases: **Oracle 9i / 10g / 11g, SQL Server 2005/2008**, **DB2**, **PostgreSQL** and **MySQL**.
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra** and **CouchDB**.
* Experience in using **IDE** tools **NetBeans**, **Eclipse**, **IntelliJ**, configuring and deploying the applications on **Tomcat**, **GlassFish**, **WebSphere**, **WebLogic** and **JBoss Servers**.
* Hands on experience with **build** like **Ant**, **Maven**, **Gradle** and **logging tools** like **Log4J** and **Splunk**.
* Developed **CI/CD** system with **Jenkins** on **Kubernetes** container environment utilizing **Kubernetes**.
* Experience in testing with **JUnit Framework** using **Mockito** and **Easy Mock**, and other testing tools like **Firebug**, **Fire Poster**, **Protractor**, **Selenium**, **Jasmine**, **SoapUI**.
* Ability to learn and adapt quickly to the emerging new technologies and paradigms.
* Excellent communication, interpersonal and analytical skills and a highly motivated team player with the ability to work independently.

**EDUCATION:**

Bachelor of Computer Science and Engineering VTU, Bangalore 2009.

**TECHNICAL SKILLS:**

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| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking. |
| **Programming Languages** | Java JDK 1.4/1.5/1.6/1.7/1.8, C++, C, SQL, PL/SQL, Python, Scala, Golang |
| **Application/Web Servers:** | Oracle/BEA, WebLogic 8.1/9.1/10.3, IBM WebSphere 5.1/6.0/6.1/7.0, Jboss, Tomcat 5.0.28/6.0, Bug tracking, Jenkins, Cucumber. |
| **IDEs** | Eclipse, Spring STS, IntelliJ, WebStorm, NetBeans. |
| **Web technologies** | HTML5, CSS3, XHTML, JavaScript(+ES6), TypeScript, Ajax, JQuery, AngularJS, Angular 2, Angular 4, ReactJS, NodeJS, Socket.io, ExpressJS, JSON, Swagger UI, Bootstrap. |
| **AWS Skills** | EC2, S3, RDS, EBS, IAM, AMI, ELB, CLI, SNS, RDS, VPN, NAT, GIT, DNS, Route53, DBA, Dynamo DB. |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, SOAP, REST, SOAP UI, Microservices. |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC, Waterfall model. |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Message Brokers** | Kafka, RabbitMQ, ActiveMQ, TIBCO, IBMMQ. |
| **Testing technologies/tools** | JUnit, JMeter, Protractor, Mockito. |
| **Database** | Oracle 8i/9i/10g/11G, DB2, SQL Server 2005/2008, MySQL, PostgreSQL, MongoDB, Cassandra. |
| **Big Data Tools** | Hadoop, Spark, MapReduce, HDFS, HBase, Zookeeper, Hive, Sqoop, Cassandra, Flume, Couchbase, MongoDB, Neo4J, Redis, MLlib. |
| **Version Control** | CVS, SVN, Git, Stash, Bitbucket. |
| **Build Tools** | ANT, Maven, Gradle. |
| **Spring Tools** | Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Consul, Swagger UI, Sleuth, and Spring Zuul, Feign Client. |
| **Platforms** | Windows 10/7/2000/98/95/NT4.0, LINUX, UNIX, SHELL. |

**PROFESSIONAL EXPERIENCE:**

**Client: Dish - Denver, CO June 2016 to Present**

**Role: Sr. Java/J2EE and Full Stack Developer**.

**Description: Dish Network (stylized as dish) is an American direct-broadcast satellite service provider. The company provides satellite television, satellite internet access, audio programming, and interactive television services to commercial and residential customers in the United States.**

**Responsibility:**

* Involved in Design and Development of project modules, gather requirements, analyze, and implemented business logic using **Agile Scrum** Software Development methodology.
* Designed class, sequence, activity, flow diagrams using **UML Visio** and **Sparx**.
* Designed and develop a custom, single-page, responsive Web Application on front end using **Angular 2**.
* Developed several reusable directives using **Angular 2**. Moved existing **AngularJS** controllers and services to **Angular 2** components for more responsive and less dependency.
* Developed Interactive web pages with **Angular 2**, **HTML5**, **CSS3**, **Javascript**, **JQuery**, and **Bootstrap**.
* Usage of new features of **Java8** like **lambda expressions** for communicating between business layer and database, **stream** API for Bulk Data Operations on Collections using both streams and parallel streams.
* Used J2EE **design patterns** like **Model View Controller(MVC)**, **Singleton**, **Factory**, **Data Access Object (DAO)**, **Data Transfer Object (DTO)** and **Service Locator**.
* Involved in writing **Thread** safe blocks for **Multithreading** access and improve performance.
* Usedcore Spring concepts like **DI/IOC**, **AOP**, **Batch** implementation.
* **ML implementation** for prediction using **Linear Regression** algorithm in **Python**.
* Implemented fail safe and **circuit breaker** patterns in **Spring Boot Microservice** applications using **Hystrix**, configured **Swagger-UI** to registered Microservice with **Eureka server** and monitored service health check from **Spring Boot** admin console and **Spring Ribbon** for load balancing.
* Written shell script files to update the configuration and application data corrections.
* Developed UI applications using **Angular2** integrating with **REST** API's built on **Spring Zuul** Microservices.
* Working on Microservice Registration with **Spring Cloud** using **Netflix Eureka**.
* Implementing **Spring Cloud**- **REST** call using **Netflix Feign Client**.
* Implementing or exposing the Microservice architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Implemented pre-authentication and data base security using **Spring Security** and securing application access and **Spring Batch** for scheduling and maintenance of batch jobs.
* Developed **Python** Object Oriented Design code for logging and debugging code optimization.
* Worked on **Camel-based integration** middle-ware solution for Provisioning Services by design and the Implementation of business logic and data processing routes using **Apache Camel**.
* Created tables and worked on **SQL** and **PL/SQL** to write **Stored Procedures** functions and packages for complex inserts and updates in the DB, used **TOAD** to interact with **Oracle** database.
* Used **Oracle 11g/12c** for the backend data and performed complex queries using joins for CRUD operations.
* Experience in Normalization, performance tuning, uploading files to database using **CLOB** and **BLOB**.
* Worked on **Splunk DB** Connect APP to load the data into **Splunk** from **Oracle** Database.
* Implemented Spring **ORM** with **Hibernate** taking advantage of features like **Annotation** metadata, **AutoWiring**, and **Collections** to implement **DAO** layer with Hibernate **Session Factory**, **HQL**, and **SQL**.
* Extensively used **Hibernate** concepts such as**Lazy loading**, **Dirty checking**, **Locking**, and **Transactions**.
* Composed and executed **MongoDB** scripts to insert and update **NoSQL** database and reporting.
* Configuring **Cassandra** clusters and key spaces on **RHEL** Openstack Installed and setup **Apache Spark**.
* Deployed **Docker** contained **Spring Boot** Microservices in to **AWS EC2** container service using AWS admin console and used **lambda** to run applications in **AWS** console.
* Experience with building **Docker Images** and running them on **Docker container**.
* Used **Jenkins** as an AWS code deploys plug-in to deploy to AWS. Experience with **DevOps** methodologies, implementing **CI/CD Pipelines** using tool sets like **GIT**, Jenkins, **Chef** and **AWS**.
* Generating **Scala** and **Java** classes from the APIs so that they can be incorporated in the application.
* Used **Spark streaming** with **Scala** to consume real-time data from the **Kafka** cluster and run arbitrations.
* Responsible for implementation of java integration components for **JBPM** and **DROOLs**.
* Configured **Protractor** test classes and **Selenium** grid end to end testing on the front end.
* Involved in code reviews and unit testing using **JUnit** framework and **Log4j** to provide logs of exceptions.
* Worked with several testing frameworks such as **JUnit**, **EasyMock**, **Mockito** and **PowerMock**.
* Created Test automation framework using **Cucumber** and **Selenium** web driver.
* Used **Drools engine** for validating business rules before executing in runtime.
* Used **Git** for version control and **JIRA** for bug tracking, project management and**Maven** as build tool.

**Environment: Java8, J2EE, CI/CD, Spring, Webservices, Microservices, Swagger, Spring Zuul, Netflix Eureka, Restful, Feign Client, Apache Camel, Kafka, JUnit, JBPM, Drools, Spring Cloud, Shell, AWS, EC2, S3, Scala, MongoDB, Cassandra, HTML5, CSS3, Python, JavaScript/ES6, Bootstrap, jQuery, Angular 2, Maven, AJAX, JQuery, XML, XSLT, Java Beans, UML, Design Patterns, Log4j, Agile Methodology, Devops, Docker, Spark, Kubernetes.**

**Client: PNC Bank - Columbus, OH Jan 2015 – May 2016**

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

**Description:** PNC offers a wide range of services such as retail banking and residential mortgage banking for customers from individuals and small business, to corporations and government entities. Cash Flow Insight (CFI) is an innovative suite of online tools for seeing and managing business's cash flow. Developed single page applications. Designed presentation layers for various required services for customers.

**Responsibility:**

* Involved in various **SDLC** phases like Requirement gathering, **Design**, **Analysis** and Code development with both iterative (**Agile**, **Waterfall**).
* Implemented **AngularJS** Controllers to maintain each View data and Service calls using Angular Factory.
* Developed A dashboard based on **Ajax** calls with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using **NodeJS**.
* Used **ReactJS** to create views to hook up models to the DOM and synchronize data with server as a SPA.
* All the functionality is implemented using **SpringIO** / **Spring Boot**, **Thymeleaf** and **Hibernate ORM**.
* Implemented **Java EE** components using **SpringIOC**, **Spring Transactions** and **Spring Security** modules.
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Responsible to write **UNIX shell scripts** to automate the Build process.
* Consumed messages from **JMS** driven beans and **Active MQ**. Integrated Active MQ services with Beans.
* **Hibernate DAO** classes were developed to retrieve and save data using Spring framework manager classes.
* Developed views and templates with **Python** and **Django's** view controller and templating language to created user-friendly website interface.
* Automate the cloud deployments using chef, python (boto & fabric) and AWS Cloud Formation Templates.
* Experience in Creating, Dropping Indexes, Tables, Stored Procs and Views on **Oracle DB**.
* Cloud environment for Microservices was provided using **Spring Netflix** (**Eureka server**, **Hystrix**, **Ribbon**).
* Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* Deployed the Application into **Docker** container and made easily accessible at runtime using **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 **SpringKafka** and **Zookeeper**.
* Worked with modules like **mongoose** for database persistence using **NodeJS** to interact with **MongoDB**.
* Developed client applications using **JAXR** and **JAXM** to connect to the **UDDI** registry.
* **Apache Mesos** and **Kubernetes** were used as the best ecosystem to deploy and manage Microservices.
* Designed and deployed a multitude application utilizing almost all the **AWS** Including **EC2**, **R53**, **S3**, **RDS**, **DynamoDB**, **SQS**, **IAM**, **Cloud Formation** and **lambda**, focusing on high-availability and fault tolerance.
* Developed applications using **RuleEngines**, **Drools 4.x**, and **ILOG** to validate the business User Roles.
* Analyze and resolve conflicts related to merging of source code for **GIT**.
* **Log4J** is used for logging purposes and debug levels are defined for controlling what we log.
* Writing Unit test cases using **JUnit** testing framework and performed unit and system testing.
* **Selenium’s** playback tool feature for authoring tests has been used in executing more than 100 test cases.
* Expertise on **Selenium** Data Driven framework and integrating it with **Maven** (Build Management Tool), **TestNG** (Unit Testing tool) and **Jenkins** (Continuous Integration Tool).
* Created and configured management reports and dashboards using **Splunk**.

**Environment: AWS, Java7, J2EE, Cloud Foundry, Java Beans, NodeJS, Spring, Spring Kafka, Zookeeper, AWS, CI/CD, JQuery, EJB, Hibernate 2.0, Eclipse, React, Devops, Angular, Spark, Jenkins, Python, Oracle 11g, MongoDB, PL/SQL, Selenium, Cucumber, Log4j, XML, HTML5, CSS3, REST, JMS, Shell, ActiveMQ, Web Services, Web Logic server, Jasmine, Maven, GIT.**

**Client: ACI WorldWide - Clearwater, FL June 2013 – Dec 2014**

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

**Description: Enterprise Banker, the industry-leading web-based cash management system. With Enterprise Banker, customers use a web browser to access cash management Functions. Financial institution administrators use Enterprise Banker's web-based administrative interface to set system defaults, perform customer setup, and monitor customer activities with a web browser from any location that has access to the financial institution's network. When fully utilized, Enterprise Banker includes 18 products, over 90 modules; over 250 Enterprise Banker Suite is designed to allow financial institutions to purchase and implement specific, limited increments of functionality.**

**Responsibility:**

* Experienced with **Software Development Life Cycle(SDLC)** with object oriented of business process and worked on developing Service oriented architecture applications in agile development environment.
* Developed and implemented Business Requirements using **Spring MVC** framework. Implemented cross-cutting concerns such as logging, authentication and system performance using **Spring AOP**.
* Developed reusable and interoperable services, based on **SOAP**, **WSDL**, **JAXWS**, **JAXRPC** Web services.
* Well versed with core Java concepts like **Collections**, **Swing**, **Serialization** and **Servlets** & **JSP**.
* Implemented web services in **Service Oriented Architecture (SOA)** to retrieve data from client side **NodeJS** and parsed the data to client and handled the security and Authorization using **Spring Security** and **OAuth** authentication protocol respectively.
* Built application interface and web scrapping scripts using OO designing, UML and python scripting.
* Used **Jackson** Custom Mappers for Custom manipulation for date, currency conversations on **JSON** Data.
* Used **Jackson** parser for **Marshaling** and **Un-Marshaling**.
* Responsible to write **UNIX shell scripts** to automate the Build process.
* Developed **POJO** objects and used **Hibernate** as the **Object-Relational Mapping (ORM)** tool to access the persistent data from **SQL** Server.
* Used Hibernate Detached Criteria, **HQL** and written some SQL queries for data retrieving.
* Hands-on writing **Stored Procedures**, **functions**, **triggers**, **DDL**, **DML SQLqueries** and **PL/SQL**.
* Worked on **JPA** as persistence layer, involving EJB annotations to synchronize with database through **XML**.
* **JBoss** Application server implementation, support, workload management and performance tuning including Web server setup configuration with JBoss App Server.
* Developed UI using **AngularJS**, **HTML5**,**CSS3**, **jQuery, Bootstrap**, **JavaScript**, **Ajax**.
* Developed **PL/SQL** store procedures to convert the data from **Oracle** to **MongoDB**.
* Developed Test classes using **JUnit** and **Easy Mock** and test coverage using **EMMA** plug-in.
* Analyze and resolve conflicts related to merging of source code for **GIT** and **Maven** as build tool.

**Environment: Java, J2EE, Java Beans, JMS, NodeJS, Spring, JQuery, EJB, Hibernate, IntelliJ, Angular, Python, Oracle 11g, MongoDB, PL/SQL, Cucumber, Log4j, XML, Shell, HTML5, CSS3, JavaScript, Bootstrap, SOAP, Maven, GIT.**

**Client: Ascena Retail group - Pataskala, OH May 2012 – May 2013**

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

**Description: This project has been designed to provide efficient and secure online shopping facilities to the customers. Items will be categorized on the basis of the item price and type of item etc. This Application also offers various operations relating to their orders such as expediting, canceling and splitting the order. Status of their order is also displayed upon request.**

**Responsibility:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, analysis, design, development, testing and production environments.
* Worked on **Agile Development Methodology** using Scrum **concepts**.
* Written shell script files to update the configuration and application data corrections.
* Created struts form beans, action classes, **JSP**s following **Struts** framework standards.
* Implemented **Struts** Framework and **Hibernate** in the new version of the Application.
* Designed and developed the front end using **HTML**, **CSS**, and **JavaScript.**
* Used Web services (**SOAP**) for transmission of large blocks of **XML** data over **HTTP**.
* Used XML Web Services using **SOAP** protocol to transfer the amount to other application that is remote and global to different financial institutions, used **SoapUI** for web service testing.
* Implemented the database connectivity using **JDBC** with **Oracle 9i** database as backend.
* Extensively used **Core Java** such as **Multi-Threading**, **Exceptions**, and **Collections**.
* Developed real time tracking of class schedules using **NodeJS** (**Socket.io**, **ExpressJS** framework).
* Developed the **UNIX** shell scripts to automate jobs.
* Worked on **Junit** for creating test cases for all the Business Rules and the application code.
* Hosted the application on **WebSphere** and used **Maven** as the build automation tool.

**Environment: Java 6.0, Struts Framework 2.0, Hibernate 3.0, EJB, Shell, SOAP, Web Services, HTML CSS, NodeJs, ExpressJs WebSphere Application Server 7.0, JUnit, UNIX, JavaScript, Servlets, JSP, JDBC, JQuery,XML, XSLT.**

**Client: Penn National Insurance - Harrisburg, PA Nov 2010 – Apr 2012**

**Role: Java/J2EE Developer.**

**Description: Penn National Insurance is a property-casualty mutual insurance company, headquartered in Harrisburg, Pennsylvania. Founded in 1919 by a farmers' trade organization, to help the farmers get more affordable workers' compensation protection for their workers who operated steam-driven farming equipment.**

**Responsibility:**

* Involved in preparation of **functional definition documents** and Involved in the discussions with business users, testing team to finalize the technical design documents.
* Extensively used **MVC**, **Factory**, **Delegate** and **Singleton** design patterns.
* Enhanced the Web Application using **Struts.**
* Created business logic and application in Struts Framework **using JSP, and Servlets**.
* Wrote Client side validation using **Struts Validate framework and JavaScript**.
* Wrote **unit test cases** for different modules and resolved the test findings.
* Used **SOAP** for Web Services by exchanging **XML** data between applications over **HTTP**.
* Wrote **JSPs, Servlets** and deployed them on **WebLogic Application server**.
* Wrote queries in **MySQL** to interact with the database.
* Used **Subversion** for version control **and log4j** for logging errors.
* Helped production support team to **solve trouble reports**
* Wrote **Ant** Scripts to automate the build and deploy process.
* Involved in **Release Management** and **Deployment Process.**

**Environment: Java, J2EE, Struts, JSP, Servlets, JavaScript, SOAP, WebLogic, Log4j, AMT, CVS, PL/SQL, MySQL.**

**Client: NISI Solutions - Hyderabad, Telangana July 2009 – Oct 2010**

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

**Description: Developed a real estate data aggregator web application. The application aggregate and organize real estate listing data from multiple sources on the internet. The information is collected into a clear, attractive and easy-to-follow property profile. The property profile will be supplemented by other useful information such as maps, neighborhood info and more.**

**Responsibility:**

* Involved in the requirements gathering. Design, Development, Unit testing and Bug fixing
* Developed application using **Struts**, **Spring** and **Hibernate.**
* Developed rich user interface using **JavaScript, JSTL, CSS, JQuery and JSP’s.**
* Used custom tags to display logic specific data in JSP'S and used **SpringIOC** for injecting the beans.
* Used **Hibernate** for connecting to the database and mapping the entities by using hibernate annotations
* Used **Oracle** database as backend database and wrote **SQL** to update and create database tables.
* Involved in making release builds for deploying the application for test environments.
* Used **Jboss**as application server and used **JUNIT**,**JMOCK** for unit testing.

**Environment: Java, J2EE, Struts, JSP, Servlets, JSLT, CSS, JQuery, JavaScript, Jboss, ANT, CVS, SQL, Hibernate Oracle.**