NAVEEN ARORA
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Current Location: Chicago, IL
Visa – H1b
Open to relocate

SUMMARY
Technical Skills

- 12+ years of IT experience of which 9+ years of experience in **Core Java**, **J2EE**.
- 6+ years of full life cycle application development experience utilizing the Java. Have knowledge of **Agile** Methodologies like Extreme programming, **SCRUM**.
- 2+ years' experience architecting end-to-end application flow while proposing UI wireframes, choosing frameworks, tools and process workflow providing high quality deliverables in Sprints. Full Stack Java Developer.
- 2+ Experience with (CI) continuous integration methodology using Jenkins with build integrated unit testing, code coverage maintaining high quality of software deliverables.
- 8+ Years of product development experience (with Cisco Internet Operating System, Windows NT Virtual DOS Machine and NetExpert network fault, performance and service management application).
- Possess excellent Technical background, communication, interpersonal, teamwork and presentation skills. Very **Agile** in learning new technologies and frameworks.
- Extensive understanding and experience in the SDLC phases like Requirements Specification, Analysis, Design, Modelling, Implementation, Testing, Deployment and Maintenance with methodologies such as Waterfall, Incremental, Iterative and **Agile** Models.
- Strong experience in process development writing Technical documents and status reports.
- Customer Interface includes attending workshops for requirement gathering, analysis, clarifications with client, runtime troubleshooting of issues in production.
- Experience in TDD development model and writing unit test cases using **JUnit**, Mockito. Experience in working with a continuous integration model emphasis on quality deliverables.
- Distributed Application Development and Object Oriented Design and Development (OOAD).
- Good knowledge of REST Web services and **XML** and JSON technologies.
- Expertise in design and development of various web and enterprise applications using **J2EE** technologies like JSP, Servlets, JDBC, **XML** and REST Web Services.
- Experience in developing web pages using HTML5, CSS3, **XML**, JavaScript library, JQuery.
- Developed web-based applications using Java, **J2EE**, **Spring**, Web Services (REST), **MVC** framework (**Spring MVC**), MVP, Oracle and **SQL**.
- Experience on Java **MultiThreading**, Collection, Interfaces, Synchronization, and Exception Handling. Experience **MultiThreading** development using Runnable interfaces and Executor-service frameworks while leveraging thread pools.
- Experience in configuring, deploying web applications on JBOSS Application Servers, hands on using Apache Tomcat.
- Hands on third party software integration with in house development.
- Hands on experience on Oracle and **SQL** on writing queries.
- Hands on shell scripting and cron jobs configuration for system unit testing.
- Development experience on **UNIX**, **Linux** platforms building, debugging, managing, monitoring and troubleshooting the system and process.
- Extensive experience in C/C++ languages and integrating legacy applications to **J2EE** enterprise application using (**XML**/XSD) middleware technologies.

EDUCATION
- BE Computer Engineering (PCT ; University of Mumbai)- India - 1999
- MS in Computer Science – (BITS, Pilani) India   - 2001

CERTIFICATIONS
- Oracle Certified Java Programmer
- Oracle Certified Business Component Developer

TECHNICAL SKILLS

Methodologies	**Agile**, Object Oriented Analysis and Design, Gang of Four and **J2EE** Design Patterns, Domain Driven Design, Test Driven Development, Aspect Oriented Programming (AOP)
Software Specification	Java (JDK 1.8); JEE (JMS, JTA, JAX-RS, JAX-WS, JSP, **XML**, JDBC, **Hibernate**); C, C++
Software Frameworks	**Spring** 4.0.5
Object/Relational Mapping	**Hibernate** 4.3.5
Unit Testing	**JUnit**, Mokito, JMock
Database	Oracle (11g,12c), **SQL**, **Hibernate** Query Language (HQL), triggers and procedures , Microsoft **SQL** Server
Application Server	JBOSS (5.1 ; WildFly), Tomcat, WebLogic
Front End	AngularJS 2, JavaScript, GWT, HTML, CSS, Java Swing
Middleware	Glassfish ORB Daemon, JDBC, MoM (JBOSS MQ), **XML**, JSON
Tools & Utilities	NetBeans IDE, WebSphere Studio Application Developer, Eclipse, JVisual VM, Rational Tools (Rational Rose, Clear Case), libumem, gdb, Log4J, JIRA, Jenkins, JVisualVM, JDB, JTop, gdb, mdb, truss, strace
Profiling & Coverage	JProfile, SunStudio Collect, SPOT, Rational Quantify, EclEmma, JHiccup, Sonar
Software Modelling	UML
Reporting Tools	Actuate (BIRT), WebFOCUS,
Scripting/CLI	bash, shell, batch, cron, **Linux** CLI tools, perl, groovy
Source Control	Git, Perforce, clearcase, TFS
Operating Systems	**Unix** (Solaris); Windows; **Linux**

PROFESSIONAL EXPERIENCE

Client: BP - Chicago, IL   **June' 16 – Till Date**
Java Solutions Architect / Java Developer

BP is one of the world's leading integrated oil and gas companies. Like all world class organization BP uses latest cutting technology to manage supply, customers, inventory, actuals and forecasting data. My job responsibilities in the organization is to help automate the existing manual operations and propose, design, develop software solutions.

Senior Software Developer/Solution Architect
Projects:
Fuel Equity Forecasting Tool
RESTful web services for providing various views comparing datasets and display forecast and actual data for oil wells to aid in decision making for plan changes. The project uses Kerberos and **LDAP** authentication.

- Design and Develop highly available Web Services using **Spring** RESTful technologies and Jersey implementation. The web services were reusable and versioned to provide for an upgrade path to existing API leveraging SOA software design, browser acting as service consumer and the Web Services were acting as service provider.
- Design Regression and Performance automated test suite using SOAPUI and groovy.
- Interact with business to understand the requirements
- Coordinate with support team for software deployments and upgrade activities
- Security Design for web services using Spengo Kerberos and **LDAP**
- **Spring** Data and **Hibernate** ORM for persistence
- **Spring** Kerberos Rest Template for remote server REST calls.
- **Spring** for RESTful endpoints.
- Developed **JUnit** test cases for all the developed modules.
- **Agile**/**SCRUM** was used as the project management methodology
- Jenkins for Self Service deployment portal and Continuous Integration (CI).

Fuel Supply Dashboard Mobile Application
Design and develop SOAP based web services for mobile application dashboard to display fuel supply status and customer information.

Responsibilities:
- Design and Develop Web Services using SOAP technologies.
- Develop Performance and Regression test suites using SOAP UI and groovy
- Interact with business to understand the requirements
- Coordinate with support team for software deployments and upgrade activities
- Coordinate with teams across the globe with interface development activities.
- JAX-WS Reference Implementation (RI) for code generation from WSDL
- **Hibernate** ORM and reverse engineering tools for data base access and integration
- Orika Library for Mapping, filtering and modifying database parameters to SOAP web response.
- Exposing Web Service Using **Spring** JAX–WS RI support developed as part of the JAX–WS Commons project.
- Behaviour logging using **Spring** AOP and Log4j.
- Developed **JUnit** test cases for all the developed modules.
- **Agile**/**SCRUM** was used as the project management methodology
- Jenkins DevOps toolkit for Self Service deployment portal.

Maintenance Activities for Software Solutions
- Provide software support including fix issues and minor enhancements for Gasoline Blending Transaction Management system design in **Spring**/JPA running on Weblogic server.
- Provide software support for Trading News Portal designed in **Spring MVC**/**Hibernate** running on Tomcat server. Analysis of migration of application to Java 8 and **Angular JS 2** based UI as Full Stack Java development. Worked integrating Rest Services with **Angular JS 2** UI framework. Used decorator for log enhancement.

Environment: Java 8, **Spring** 4.0.5, **Hibernate** 4.3.5, **XML**, HTML5, Maven, CSS, My**SQL**, Tomcat6.0/ 5.5, SOAP 1.0, JBOSS, SOAP-UI, Spengo Kerberos, Sprint Boot, groovy, JavaScript, JSP, Microsoft **SQL** Server, WebLogic, Jenkins, **Angular JS 2**, TFS, SOA

Client: Access Health   **Oct' 15 – May 16**
Lead Java Developer

Development of financial reporting for one of the largest hospitals, based on clinical variables with data from three initial sources, helps the CFO to make business decisions effectively. Involved in integration of client **J2EE** based web application system, software architecture, and service oriented architecture with BI reporting tool WebFOCUS reporting server web service framework. Work on development and customization of user interfaces (UI) using JavaScript, JQuery, JSP, HTML5 and CSS.

Responsibilities:
- As a Solution Architect, involved in design and making choices for appropriate persistence, UI, middleware, webserver and integration frameworks along with reporting framework.
- Customer interaction and analysis of customer environment for requirements specification and current operating environment.
- Technical documentation and review for requirements specification, high level design and unit testing plan.
- Developed RESTful web services using Jersey 2.x as JAX-RS 2.0 implementation.
- Responsible for build (WAR) using maven and release the code from Perforce.
- Worked with UI designer for appropriate backend calls and handling expected output.
- Used JAX-RS, JAXB, DOM/SAX Parsers, HTML, CSS, JSP, Servlet, JavaScript and JQuery to construct the reports leveraging WebFOCUS web services framework.
- Developed Servlets and JSP for web applications.
- Developed **Spring** 3 **MVC** restful web services using Jersey implementation for JAX-RS
- Worked with UI team in styling and integration of Web interface with server backend using JQuery, JavaScript, HTML and CSS.
- Involved in the development of **SQL** queries to get data from Oracle and My**SQL**.
- Developed **JUnit** test cases for all the developed modules.
- **Agile**/**SCRUM** was used as the project management methodology
- Monitoring Service Level Agreements (SLA) for all applications.
- Provided training to customer and post deployment support for any reported issues.
- Maintain code quality using build integrated code coverage and static analysis tools.
- Involved in integration of reporting database, BI tool WebFOCUS to **J2EE** for generation of medical financial reports.

Environment: Java, **Spring** 3,0, **Spring** 3 **MVC**, **Spring** OAuth 2.0, **XML**, HTML5, ant, CSS, JavaScript, JQuery, JSP, My**SQL**, Tomcat6.0/ 5.5, Oracle, WebFOCUS.

Objective System Integrators
Client: Verizon Wireless   **Aug' 14 - Sept' 15**
Java Technical Lead /Solution Architect

Designed input probe for data processing using JMS 1.1 and the correlation engine for incoming fault alarm. The input probe was designed using JMS Protocol based data source that connects to Service Aware Manager element management system listening for notifications regarding the managed elements and forwards JMS messages to custom client for processing. The incoming fault alarms were correlated using **Core Java** based correlation engine to correlate related alarms in attempt to reduce the total alarms raised. Remedy middleware used for Trouble Ticketing.

Responsibilities:
- As a Solution Architect, involved in design in analysis of requirements, the design, development, integration, deployment, unit testing and maintenance activities.
- Responsible for build and release the code from clearcase.
- Designed synchronized multi-threaded **Core Java** processing engine for parallel processing of high rate of fault alarms. Template GoF object oriented design patterns was extensively

leveraged to ease configuration of the engine so that same engine could be made to run by just changing the configuration in the template.

- SOA software design using CORBA as interoperable engine between applications running on distributed systems. The correlation plugins software used configuration, management services provided by broker application. Used **XML** technologies XSL, XSLT, JAXB, parsers SAX,DOM.
- **JUnit** and JMock used for writing unit test cases. JVM parameter tuning for system.
- **Agile/SCRUM** was used as the project management methodology
- Test Driven Development methodology used for development.
- Used continuous integration framework to integrate unit tests with build.
- Integrated third-party Remedy based trouble ticketing software.
- Used findbugs, checkstyle integration with build environment to ensure software quality.
- Sonar used to measure code coverage of unit test cases.
- GoF design patterns used for development as appropriate. Extensively used template and adapter pattern for reusable code.
- Profiling and tuning for optimization of code.
- Worked with QA in getting perl scripts running along with curl for black box testing.
- Used curl, shell scripting, cron jobs for automatic deployment and testing of daily builds.
- Performing sanity test before making the application live after deployment.
- Monitoring Service Level Agreements (SLA) for all applications
- Provided training to customer and post deployment support for any reported issues maintenance and further enhancement requests.
- Interacted with onshore customer, support teams and product development teams offshore in an onshore offshore module practice while providing 24*7 support to customer.

Environment: JEE – [JDBC, Java, EJB 3.1, **XML**, JMS, JAXB, Oracle 12c, **SQL**, Solaris 10/11, RHEL 5.5/7.1, HTML, CSS, **JUnit**, JMock, Jenkins, findbugs, checkstyle, Sonar, Selenium, curl, perl

Client: Surewest   **Jul' 12 - Jul' 14**
Lead Java Developer

IP Device Management and Reporting solution is used to manage fault and performance for SNMP enabled devices along with discovery of devices. The faults were listened as notifications from devices and performance management was done using SNMP polling. Template Method Pattern used for defining templates for the custom action on faults. State machine engine was designed to manage the state of devices. The discovery engine was developed using Rocket Software middleware.

Responsibilities:
- Worked as Team Lead and primary Architect for the project.
- Activities involved analysis of requirements, the design, development, integration, deployment and testing. Design UI, Middleware and reporting solution.
- Designed and developed application using JEE design patterns.
- Technical documentation and review for requirements specification, high level design and unit testing plan.
- Developed enterprise server side solution used JBOSS Wildfly as the application server and REST Web Services.
- Designed message queue service provider using JBOSS MQ.
- Developed JMS client source and consumers using JMS specifications.
- Analysed and compared **Spring** OAuth2 security and basic authentication and authorization of JBoss.
- Developed restful web services using Jersey 2.x as JAX-RS REST 2.0 implementation.

- Designed synchronized multithreaded engine to process multiple polling requests and response at the same time from various devices. **MVC** and template design pattern was extensively used in the design for the correlation engine.
- Used load balancing algorithms to spread out SNMP polling requests over time to ease out the load on the system.
- Responsible for build using maven and release the code from Perforce.
- Developed **JUnit** test cases for all the developed modules.
- Developed standalone UI using Java Swing for configuration and testing of IP Management Solution that could be used alternatively with web UI.
- Developed perl scripts for black box testing.
- Developed shell script and cron jobs for automated unit testing in a continuous integration environment.
- Deployed JSP and server side components to the JBOSS Wildfly server.
- Created the domains, application servers and load balancers using JBOSS Wildfly.
- The project is developed using TDD methodology in **Agile**/**SCRUM** used as the project management methodology.
- Designed Persistence layer and integration using JDBC (DAO), **Hibernate** (Entity Beans).
- Continuous managed environment was managed using Jenkins DevOps with sonar for the code coverage.
- Performing sanity test before making the application live after deployment.
- Monitoring Service Level Agreements (SLA) for all applications.
- Provided training to customer and post deployment support for any reported issues.

Environment: JEE – [JDBC, JAX-RS (Jersey 2.x), Java, **XML**, JSON, CDI, JMS, JAXB, JSON], Oracle 11g/12c, **SQL**, Java Swing, JBOSS Wildfly Application Server, Solaris 10/11, RHEL 5.5/7.1, JavaScript, GWT, HTML, CSS, **JUnit**, Mockito, perl. NetBeans

Client: AT&T Mobility, NTT (Japan)   **Jul' 11 - Jul' 12**
Sr. Java Developer

Port legacy NetExpert C++ application to run on RHEL5.5 platform. Internationalization (i18n) support for legacy C++ NetExpert applications.

Responsibilities:
- Worked as Senior developer in porting NeExpert C++ legacy applications to run on **Linux** platform and this activity also required migrating a lot of third party packages.
- i18n support was added to support Unicode, multi-byte characters and globalization of user interfaces and logged messages.
- Involved in troubleshooting, maintenance activity for the released product leveraging tools gdb, mdb, strace/truss.
- Involved in localization of legacy Java Swing based UI.

Environment: C++, Oracle 11g/12c, **SQL**, Solaris 10/11, RHEL 5.5/7.1, Java Swing

Client: VFNL   **Jul' 08- Jun' 11**
Sr. Java Developer
Service Assurance Solution – This is an enterprise server side solution which added service assurance over top of network assurance layer. The solutions was developed using JBOSS application server using Entity Java Beans 3.0 technology. **Hibernate** as the JPA implementation. JBOSS messaging was used as implementation of JMS 1.1 for inter process communication and as a data source.

Responsibilities:
- Worked as a Sr. Java Developer and involved in analysis of requirements, the design, development, integration, deployment, unit testing and maintenance activities.

- Responsible for build and release the code from clearcase.
- Developed **JUnit** test cases for all the developed modules.
- **Agile/SCRUM** was used as the project management methodology
- **JUnit** and JMock used for writing unit test cases.

Environment: JEE – [JDBC, EJB 3.0/3.1, Java, **XML**, JMS, JMX, JAXB], Oracle 11g, **SQL**, JBOSS Application Server, Solaris 10/11, RHEL 5.5/7.1, **JUnit**, JMock.

Software Technology Park of India (STPI)   **Aug' 06 – Feb' 08**
Networking Consultant
Responsibilities:
- Provide software and network consultation providing networking consultancy and last mile connectivity to STPI. Management of network bandwidth using CISCO router and switches.

Environment: CISCO 26xx and 36xx series routers, RADMAX Wireless Access Point.

Microsoft India   **Jun' 05 – Jun' 06**
Principal consultant / Technical Architect
Virtual DOS Machine in OS is used to support legacy 16 bit application. The project was to maintain Virtual DOS Machine and developing automated test harness solution and enhancing security.

Responsibilities:
- Responsibility for ensuring forward compatibility for 16 bit DOS and Windows 3.1 applications running over Windows NT Virtual MS-DOS Machine (NTVDM).
- Responsible for enhancing security software for modules that provide support for the legacy 16 bit applications.
- Worked with hyperlink component of Windows© fixing defects.

Environment: C++, Windows Internals

Cisco System India   **Jun' 01 – May' 05**
Software Engineer

Responsibilities:
- Design and develop and maintenance of Cisco IOS device driver software.
- Design, development of network interface driver for Cisco Internet Operating System.

Environment: C, Cisco Internet Operating System, Cisco routers 7xxx series.