**Vitin Sinha (Senior Java Developer)**

**Cumming, GA**

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**EXPERIENCE SUMMARY**

* **8+ years** of experience in Java/J2EE related technologies.
* Excellent working experience in all phases of **Software Development Life Cycle Process** (SDLC), in both **Waterfall** & **Agile development methodologies,** across various workflows **(Requirement Gathering, Analysis, Design, Coding, Testing, Deployment and Maintenance) in Web & Client/Server application development.**
* Experience in developing **Micro Services**.
* Experience in developing and supporting **Backend Java applications**.
* Experience in developing and supporting **Web based applications** and **Server side** components.
* Extensive experience in various Java/J2EE technologies including **Core Java, J2EE (EJB, Servlets, JSP, JDBC), Spring Core, Spring MVC, Spring DAO, Spring AOP, Struts2, Hibernate**and Java Web Framework along with **Web Services (SOAP, REST**ful**)** and Database related technologies.
* Experience using **Spring Boot**, for creating stand-alone Spring based Applications.
* Experience using **Apache Camel (EIP)** for integration.
* Experience using **Cassandra** and **CouchBase (NOSQL)** databases.
* Experience using **Kafka** for messaging.
* Experience in configuring and using **Datastax Solr** for implementing wild card search in Cassandra.
* Worked on **Spring Cloud Netflix – Eureka** for discovery**, Redis** for caching.
* Experience using **Docker** for creating and running application images.
* Experience using **Swagger** and **Swagger UI** for REST documentation**.**
* Used **Spring Test**, **Junit & Mockito** for writing unit test cases.
* Used **Selenium** for automating web page testing.
* Hands on experience in Web Application Development using technologies like **HTML, CSS, XML, JSON, Java Script, Jquery, Angular JS, Bootstrap and AJAX.**
* Experience working with **Java IDE** tools like **Eclipse**, **STS** & **IntelliJ**.
* Good Knowledge in building and deploying **Apache ANT/ MAVEN** scripts for deployment and customizing WAR/ JAR file management for web applications.
* Experience using **SVN** and **GIT** for **source code management**.
* Experience in designing and developing **Service Oriented Architecture**using**SOAP.**
* Good knowledge of **SQL** & **PL/SQL** and databases like **MS SQL Server, Oracle 10/11/12**and tools like Oracle **SQL Developer**.
* Worked extensively on Unix/Linux environment and expert experience of writing **Shell** and **Python Scripts**.
* Worked on **EJBs**,**created session, message driven** and **entity beans**.
* Experience in Application Servers & Web Servers like **Weblogic, JBoss and Apache Tomcat**.
* Experience using **ANSIBLE** for writing deployment scripts and **Jenkins** for CI/CD.
* Experience using **JMETER** for load testing.
* Experience using **Introscope**, **Splunk** and **Dynatrace** for application troubleshooting and log analysis.
* Designed, written and involved in execution of **test scenarios, unit** & **regression testing.**
* Experience in using **Jacoco** maven plugin for test coverage and achieving more than 95% test coverage.
* Good experience in interacting with the clients directly and understanding client requirements to the effect of converting requests into functional specifications.
* Experience in handling end users and **troubleshooting** real-time issues in production environment including network, operational and application problems.

**EDUCATION:**

 Bachelor of Engineering in Computer Science securing 77.8%, University of Rajasthan, India, 2008

**TECHNICAL SUMMARY:**

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| **Application Servers** | Weblogic, Apache Tomcat, Jboss, Wildfly |
| **Operating Systems** | Unix(Solaris/AIX) , Linux, Win NT/2000/7/XP |
| **Java Technologies** | J2EE, Core Java, JDBC, JNDI, EJB 2.x & 3.x, Struts2, Spring Core, Spring MVC, Spring DAO, Spring AOP, Hibernate, JPA, JAX-WS (SOAP), JAX-RS (Jersey), Servlet, JSP, JSTL, JavaScript, Angular JS, jQuery, AJAX, HTML, CSS, XML, JSON, JMS, JAXB, JAXP, Java Mail API, log4j, Multi-Threading, Networking, Apache Camel, Kafka, Redis, Spring Cloud Netflix, Eureka, Docker, Docker Swarm, Swagger, Spring Test, Junit, Mockito, Ansible, Spring Boot, JMeter, Selenium |
| **Framework** | Struts2, Spring, Hibernate |
| **Languages** | Java (1.6, 1.7, 1.8), JavaScript, C, C++ |
| **Scripting Languages** | JavaScript, Shell Scripting |
| **Markup Languages** | HTML, XML |
| **Databases** | Oracle, SQL server, Couchbase, Cassandra |
| **Query Language** | SQL, PL/SQL, N1QL, CQL |
| **Build & Design Tools** | UML, Maven, Ant, Docker, Jenkins |
| **Design Patterns** | MVC, DAO, Singleton, Factory, Abstract Factory, Façade, Builder etc |
| **Monitoring Tools** | Splunk, Dynatrace, Wily Introscope, , Mercury BAC |
| **Other Tools** | SVN, SQL\*Plus, SQL Developer, Putty, WinSCP, SecureCRT, SQL\*Loader, BMC Remedy User, BMC Patrol, Quality Center, Connect Direct, Datastax, GIT, Jira, Solr |
| **Protocols** | TCP/IP, UDP, Telnet, DNS, FTP, SMTP, SOAP, POP and HTTP |

**WORK EXPERIENCE**

1. **Company Name: Bridge2 Solutions**

**Designation: Senior Software Engineer**

**July 2017 – Till Date**

**Client Projects:**

**Client: Citi Bank                                July 2017 – Till Date**

**Project: Thank You & Global Rewards**

**Domain: E-Commerce/Loyalty**

**Role: Senior Java Developer**

**Description:** This is a web application, which is accessible through the Citi Bank website. It allows customers to shop various products using their loyalty points. There are numerous merchants, which offer their products through the website.

**Responsibilities:**

* Designed & developed an **event-driven** **asynchronous** solution, using in-memory Apache **ActiveMQ**.
* Developed a **new payment system**/service from scratch and integrated with Braintree (PayPal).
* Proposed some new, faster & more efficient, solutions using **Docker**, **Elastic Search**, **Redis** etc.
* Gave a presentation on **MicroServices** & Docker and how to migrate this application to micro-services.
* Created **UML sequence diagrams** for new solutions.
* Integrated **Spring Security** into the application, for securing some internal end-points.
* Have done **Performance Tuning** for the website, which resulted in significant reduction of the load time.
* Developed new Restful webservices using **Spring** **MVC**.
* Developed new soap webservices using **Spring Web Services.**
* Used **Swagger** and **Swagger UI** for manual testing and documentation.
* Have done **Test Driven Development** using **Spring Test, Mockito, Junit & Rest Assured**.
* Used **Selenium** for automating the testing of the website.
* Used **MS SQL** for database and **Ehcache** for cache, for storing and fetching the data.
* Designed **Json** requests & responses for interaction between UI & backend.
* Used **Apache Tomcat** for deploying and running the application..
* Used **Hibernate** for object-relational mapping.
* Used **Maven** for dependency management.
* Created **Jenkins** jobs for building and deploying the services.
* Co-led a development team of 4 offshore resources.
* Handled major/minor releases as a Development Lead.
* Wrote a **shell script** for checking logs on multiple servers.

**Technical Environment:** Java 1.8, Spring MVC, Spring Boot, Spring Core, Spring Rest, Spring Test, Spring Security, Spring Web Services, Hibernate, Ehcache, Swagger, Git, Gerrit, Tomcat 8

1. **Company Name: GlobalLogic**

**Designation: Senior Software Engineer**

**Apr 2016 – July2017**

**Client Projects:**

**Client: Verizon Telematics, Atlanta, GA                               July 2016 – July 2017**

**Project: OSS Reboot Microservices**

**Domain: IOT**

**Role: Java Developer**

**Description:** This is a project from the scratch, where we are migrating Verizon Telematics OSS services from SOA BPEL to Microservices. We are using Spring Clould (Netflix) Eureka, Spring Boot, Spring Rest, Apache camel, Kafka, Cassandra, Docker, Git etc. Our team consists of 10 developers. I have created few microservices from the scratch and deployed it on docker. I have also created Jenkins jobs for the same. In some services, I have read messages from the Kafka topic and called some REST services, while writing the data in the Cassandra database. In some, I have gotten the JSON message through REST service and called some SOAP services, while writing the data in the Cassandra database. This project is still ongoing.

**Responsibilities:**

* Developed Restful Microservices using **Spring Boot**, **Spring** **Rest** and **MVC**, for OSS services.
* Used **Eureka** for discovery of each microservice and to send transactions to them.
* Used **Consul** for storing property values and dynamic property changes on the fly.
* Used **Swagger** and **Swagger UI** for manual testing and documentation of microservices.
* **Test Driven Development** using **Spring Test, Mockito, Junit, Rest Assured** for writing unit and integration test cases for restful services, camel routes and database calls.
* Used **Camel Multicast** and **Spring Callable** for **multithreading** and **parallel processing**, in cases where we had to call two different services and get the data.
* Used **Cassandra (CQL)** for database and **Redis** for cache, for storing and fetching the data.
* Used **Apache Camel** for integration and **orchestration**, for managing the data flow and calling of services.
* Created **Docker** images using **Spotify** Maven Plugin and using **Dockerfile** for deployment of microservices.
* Used **Docker Swarm** for managing and deploying docker images.
* Used **Spring Web Service** for soap webservices.
* Used **Maven** for dependency management.
* Created **Jenkins** jobs for building and deploying the services to Docker containers.
* Used **Git** for source code repository, for managing the source code.
* Used **ANSIBLE** for writing deployment scripts for installing SOA and OSB on Linux servers for the old stack and for Redis & Kafka installation automation.
* Used **Splunk** for log analysis and **Dynatrace** for finding issues.
* Used **Jmeter** for load performance testing.
* **Dependency Injection** was used across all the layers of application.
* Did a POC on **Cassandra Lucene Index**, for implementing full text search in Cassandra database.
* Used **Datastax Solr** for implementing wild card search in Cassandra. Configured Solr for our use cases and created search indexes and complex queries.
* Used Java 8 **Lambda** expressions and **functional interfaces**, wherever possible. Also, used Java8 features like Streams, Producer, Consumer, BiConsumer etc.
* Wrote a **python framework** for **chaos testing** of docker microservices and combined it with Ansible to run on all the servers. It had configurable features like pausing, killing, cpu stress, memory stress, io stress, network stress of docker containers and also pausing & killing of unix processes.
* Did **thread dump analysis** and **GC analysis** and **performance tuning**.
* Followed **Agile Methodology** in software development. Used **Jira** for user stories and tracking of work.
* Participated in design reviews, code reviews, scrum meetings and design discussions.

**Technical Environment:** Java 1.8, Spring Cloud Netflix, Spring Boot, Spring Core, Spring Rest, Spring Test, Eureka, Kafka, Datastax Cassandra, Redis, Docker, Apache Camel, Swagger, Git, Ansible, Apache Mesos, Marathon, Docker Swarm

**Client: Verizon Telematics, Atlanta, GA                                                         Apr 2016 – July 2016**

**Project: Order Fallout Dashboard**

**Domain: IOT**

**Role: Java Developer**

**Description:** This is a dashboard application which I created from the scratch. In Verizon telematics, they get orders from customers and an order passes through many systems/applications; so they wanted to track success/failure of each order end to end and retry them if there is any failure. We had only 2 people in our team. I have created this application from the scratch using Spring Boot, Apache Camel, Spring and Angular JS. We deployed it on Tomcat server and production support team uses this tool. I provide after deployment support also for this tool.

**Responsibilities:**

* Built a dashboard web application to track all the failed orders across multiple systems/applications and to reprocess them.
* Used **Angular JS** for the web single page application, for the dashboard page.
* Used many other java script libraries, CSS and Scripts like **Jquery, chart.js**, **Bootstrap, Smart Table, Bootstrap** etc to make the web application responsive and look good and to display the data on the dashboard webpage.
* Used **Spring Boot** for creating a **fat jar/war** and deployed it on Apache tomcat.
* Used **Restful webservices** to provide **Json data** to frontend. Used **Apache Camel** for the rest routes.
* **Test Driven Development** using **Mockito** & **Junit** for writing unit and integration test cases for restful services, camel routes and database calls.
* Used **gson** for Object to Json conversion.
* Used **Spring Core** and **Spring MVC** for creating the restful services and for getting the data from the database.
* Used **Apache Camel** for configuring endpoints and to orchestrate the data flow.
* Used **Spring JDBC** for DAO layer and connect to the database and map the data to the Java classes.
* Used **NoSQL Couchbase** database for POC.
* Used **Maven** to manage the dependencies and package the application.
* Used **Camel seda** for **asynchronous parallel processing.**
* Worked on source code management tools such as**SVN.**
* Worked on **Junit** Framework for **Test Driven Development**.
* **Dependency Injection** was used across all the layers of application.
* Followed **Agile Methodology** in software development.
* Participated in design reviews, code reviews, scrum meetings and design discussions.
* Involved in trouble shooting and fixing of bugs reported in **UAT** and Production environment.

**Technical Environment:** Java 1.8, J2EE, Angular js, Restful, Spring Boot, Spring, Apache Camel, Oracle, Couchbase, Jquery, Bootstrap

1. **Company Name: Tech Mahindra**

**Designation: Associate Tech Specialist**

**Oct 2009 – Apr 2016**

**Client Projects:**

**Client: AT&T**, **Alpharetta, GA                                     Sept 2012 – Apr 2016**

**Project: NorthStar**

**Domain: Telecom**

**Role: Java Development/Support**

**Description:** This was a web application, through which AT&T customers could order a phone or a plan or a bundle of services. We had 6 people in our team. I have worked on many enhancements and new requirements from the scratch. I have created many JSP pages/views, action classes and wired them together using Struts2 framework. The application used to run on Weblogic and we had Apache Tomcat as webservers.

**Responsibilities:**

* Involved in all project phase discussions and executed project from PDP (predefined phase) to rollout phase with post implementation activities.
* Developed User Interface using **JSP, JSP Tag libraries, Spring Tag libraries** and **JavaScript** to simplify the complexities of the application.
* Used **XSLT** to style and **transform XML**.
* Used **XSLT xsl**: template, for-each, sort and other elements to operate on output and display.
* Involved in enhancing certain modules of web portal using **Spring** Framework
* Used **Jmeter** for load performance testing.
* Developed **web** and **service layer components** using **Spring MVC**
* Configured different **handler mappings**, controller and view resolvers in the spring configuration file
* Implemented various **design patterns** like **MVC, Factory, Singleton, Builder, Façade** etc
* Followed **Agile Methodology** in software development.
* Implemented the **DAO** layer using **Spring DAO and JDBC template and Spring transaction management.**
* Developed **EJBs – Session, Entity** and **Message Driven Beans**
* Implemented **Web Services (RESTful)** and associated business module integration for getting status of claim report.
* Worked on **code reviews, debugging, unit testing** and **integration testing**.
* Developed several Controllers to handle the different types of user requests.
* Validated the user inputs using **Spring Validator**.
* **Dependency Injection** was used across all the layers of application
* Developed database Schema & populating data using **SQL statements,** **PL/SQL** **Functions, Stored Procedures, Triggers, Bulk uploads**
* Monitored error logs using **Log4J** and fixed the problems
* Worked on **Junit** Framework for **Test Driven Development**.
* Used **Maven** to manage and deploy the  project
* Worked on source code management tools such as**SVN.**
* Involved in trouble shooting and fixing of bugs reported in **UAT** and Production environment.

**Technical Environment:**Java 1.7, JSP, Servlet, Oracle 11g, Spring, Tomcat, Eclipse IDE 3.5.1, XML, XSTL, RESTful, Webservice, Maven

**Client: AT&T, Alpharetta, GA                                                                        Oct 2009 - Sept 2012**

**Project: CNM**

**Domain: Telecom**

**Role: Java Development/Support**

**Description:** This was a middleware application and it used to send emails, sms, ao & postal mails to AT&T customers. We had 8 people in our team. I have worked on many enhancements and new requirements from the scratch. I have done requirement analysis, written the code, helped the testers in testing it thoroughly, helped in deployment and helped in after deployment support also.

Just to provide an example, I have written a multithreaded batch process, which used to read a file containing 300-400K records and store the data in the Oracle database and send out email/sms to AT&T customers. Also, I have written a Message Driven Bean which would pick transactions from the Weblogic JMS queue and process those transactions. These are just two random examples to give an idea of the work.

**Responsibilities:**

* Worked on Java/J2EE application development in defining functional and technical specifications.
* Developed **EJBs**– **Session, Entity and Message Driven Beans**, which would handle the transactions and connect to the database.
* Implemented **SOAP Web Services**using JAX-WS, for providing end points to upstream clients.
* Used **JAXB** for **XML handling.**
* Used **Hibernate** for database connectivity layer, to connect to Oracle and map the data to Java classes.
* Worked with **Oracle Weblogic** application server, for deploying the applications, transaction management, datasource, jms queues etc.
* Used **Java Mail API** for sending emails and **JTA** for transaction management.
* Used **Struts2 framework, JSP's & Servlets** for an AT&T web page, which would query the database and provide data to AT&T customer service representatives.
* Used **log4j** for logging implementation.
* Written **Junit test cases** for **EJB calls.**
* Implemented various **Design Patterns** such as: **Factory, Singleton, Builder** etc
* Used **Runnable** interface for implementing **multi-threading** in batch processes, which would read flat files and store the data in the database and send out emails/sms to AT&T customers.
* Did **thread dump analysis** and **GC analysis** and **performance tuning**.
* Participated in requirement gathering and analysis.
* Developed the Common Integration matrix to interact with downstream applications.
* Designed and developed **stored procedures, view** and various functions for business need for Oracle database.
* Written **technical content** such as **Knowledge Base articles** and **Solution Objects** as and when I came across any information that can be beneficial for the targeted audience.
* Involved in trouble shooting and fixing of bugs reported in **UAT** and Production environment.

**Technical Environment:**Java 1.6, J2EE, Web Services, Hibernate, XML, JavaScript, Weblogic and Oracle 11g