VIPUL Gohil

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Architect Lead engineer – Java, Kafka AWS,GCP

**Summary**

1. Proven 20+ years of experience as Java & System Architect design, develop and delivered 100+ projects/ products/ enhancements
2. Leading and mentoring team of 9 developers USA / India.
3. Strong experience in developing applications using Java, Spring, SpringBoot, SpringAPI, MicroServices, REST APIs, Kafka, j2ee
4. Expert into Online, offline, batch, open system, proprietary, Cloud based AWS, GCP based solutions.
5. Extensive experience in troubleshooting complex product issues.
6. Cloud solutions: Migrating Monolithic applications to AWS, Private Cloud, Hybrid, Public Cloud, Azure, GCP, strong experience into breaking monolithic application into REST MicroServices using Domain-driven design and Domain modeling.
7. Batch systems: Automation / Transmission of files – TWS, autosys, batch framework, home grown
8. Code Security analysis – P4v, CheckMarx, CAST, SonarQube,
9. Application Security: Working with security team on SAST / DAST security scan, Security issue remediations
10. Data security: Encryption / Decryption, FPE (Format Preserving Encryption), Security PII
11. Reduced time to market using CICD: Jenkins, Teamcity Coludbee.
12. Expert into Development methodologies: Scrum, waterfall, XP
13. Expert into Agile / Scrum, waterfall and other development methods.
14. Product development, delivery, tracking -reporting, auditing and recruitment of technical resources.
15. Strong in building data pipeline, steaming analytics , integration points using Kafka.
16. Co-coordinating projects between various business / development/ qa and DevOps teams.

**Technical Skills**

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| **WEB** | JDK 1.4,5,8,SpringBoot, EJB 2.0 / 2.1, Servlet2.1 /2.2, JSP, RMI, Applet, Ant 1.6, AWT, SWING,JDBC 2.0 |
| **Middleware** | Kafka, MQSeries 5.2 , MDB 2.0, JMS 2.0, Open ESB,CICS TX gateway, J2C Resource Adaptor cics configuration |
| **Cloud** | AWS,GCP,Azure, EC2 , Router 56, S3,DynamoDB |
| **Frameworks** | Spring, SpringBoot, Struts 1.2, SpringBoot, Hibernate 3.0, AJAX – DWR, MATLAB 2003,  OS:Linux 8.0, UNIX( HP Unix 11, Sun Solaris), AIX, Kafka |
| **OS** | Linux 8.0, UNIX( HP Unix 11, Sun Solaris), AIX |
| **Code analysis** | P4v, CheckMarx, CAST, SonarQube |
| **Servers** | WebSphere 7.0, Weblogic 10/8.0 / 6.1, JBoss 4.0, JRun , Tomcat |
| **DBMS** | Oracle 10g /9i/ 8i, M.S.SQL 2000, My SQL 4.0,PL/SQL, T-SQL,DB2 |
| **XML** | XML,XSL ,Castor ,XSD, DTD |
| **UI** | AJAX, Java script, HTML , CSS, DHTML, SARISSA,GWT ( Google Web Toolkit 2.0) |
| **Security tools** | CAST , CheckMarX, Archer , CVM , OWASP, White hat |

**Experience**

**Lead Engineer Software Development -** Broadridge - New York 11746

Apr 2008 - Present (15 + years)

Responsible for Development and modernization of Broadridge Proxy application platform. ProxyEdge is an electronic voting solution that simplifies the proxy management process. Leading team of 9 developers in India and USA, working closely with product, QA and project management team

1. Strong 15+ years' experience in application design, delivery and support. Leading & Mentoring team of 9 developers USA and India team.

2. Expert into breaking down monolithic applications into APIs using domain driven design (DDD), creating multiple REST Microservices. Using Domain Modeling and design of REST - Sync and Async APIs. Configuring site & API to connect to Popular e-commerce platforms.

4. Used AWS Lamda functions to promote serverless workflows.

6. Expertise in Vendor management, working with vendors / third party like Delphix and Sotero.

7. Reduced time to market by implementing CICD pipeline using ColudBee, Jenkins. Saved 50% of time on promoting changes in production / live.

9. Working close with SRE team to scale and support multiple applications, APIs, Microservices.

Working close with product team to write EPIC, Stories, and test cases. Helping QA team writing test case. 11. Enhanced Application Architecture and product / project stage for online voting and proxy domain. Involved in restructuring / optimization of products adding new features.

12. Design / Writing / optimize stored procedure, trigger, pl-sql blocks, queries.

13. Implemented web security frameworks [Antisamy , ESAPI ]in product for input output sanitization, OWASP , Application security fixes , Struts Security fixes. Helping DevOps to roll out automated integration with Jenkins , writing automated deploy scripts using

14. Worked with Java + Kafka (big data)Streams to identify proxy events that require special attention.

Environment: Spring, Spring API, SpringBoot, REST Microservices, Kafka, Core Java,J2EE, WAS7-WAS9,RAD7,Struts,JSP,Servlet,JDBC,Oracle(PL/ SQL),Perforce 4.0,Unix Script,Sql loader,Agile development method,CICS tx gateway,Team City, AWS -EC2, S3, Route 56, Oracle, Lamda, e-commerce

**Analyst Programmer**

SID Computer Group

Nov 2006 - Dec 2008 (2 years 2 months)

Provide IT Consulting to the wall street financial companies.

● Discussion with business and technical mangers to identify business requirements. ● Proposing Architecture goal and Future Application Architecture Strategy and discussing it with top management, giving presentation to business team to about possible technical leverage of proposed SOA architecture.

● Effectively implemented Business intelligence of insurance domain in Rule Engine - ILog JRule. Testing Rule and Administrating Rules and created forward, backward chaining rule for various reporting purpose, debug and tested various rules using Rule Studio.

● Developed XSL for Rate, Quote service which provide different format XML data base on application client.

● Developed XSD to validate inbound XML request comes in to various services. ● Develop and configure IBM Message Broker and connected to ESB ( Enterprise Service Bus) ● Developed various messaging channels for claims and coverage module in application using MQ Series.

● Implemented various design patterns Single tone, Business Delegate, Session Façade, Value Object, Front Controller, Data Access Object (DAO).

● Developed Rate and Quote Web Service on WebSphere.

● Developed Database Object like Store Procedures (SP), functions, trigger andViews. ● Developed Automated/Regression Testing tool using XMLUNIT and HTTPUNIT to test WebService and defined Unit Testing strategies.

● Configured contagious integration framework using Cruise Control.

● Worked with System Operation Team to resolve Production Server technical issues. ● Developed Applet Swing GUI client interacting with Server using HTTP Tunneling ● Building applications and deploying in a QA environment and communication about features released in the project.

**Consultant / Application Architect**

Liberty Mutual Insurance

Nov 2006 - Apr 2008 (1 year 6 months)

Provided IT consulting service to Liberty Mutual and developed the latest platform for insurance quote service.

● Discussion with business and technical managers to identify business requirements. ● Proposing Architecture goal and Future Application Architecture Strategy and discussing it with top management, giving presentation to business team to about possible technical leverage of proposed SOA architecture.

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**Sr. Software Engineer** 

Asite

2003 - 2006 (4 years)

Worked on multiple product development.

● Developed Use Case (UC) based on System requirement specification (SRS) for Heading System. ● Designed various UML diagrams and building prototype of application and developed class diagram, sequence diagram, package diagram using Rational Rose for Investment Plan, Individual Investment and employee module.

● Developed GUI for Fund manager using Struts enabling heading options.

● Building, Deploying application and performance monitoring.

● Implemented design pattern in Filter Interceptor, Front Controller design pattern for security purpose and track all request.

● Development of various Database Objects like Store Procedures, Views, Triggers, SQL queries. ● Created Weblogic Multi Pools for different databases in application.

● Sharing knowledge about AJAX, DWR, and SARISSA by gave session to other mates. ● Implemented various J2EE design patterns singleton, Filter Interceptor, Front Controller, Business Delegate, and Factory.

● Developed XSL for different view of Portfolio, Customer and Traders.

● Developed XSD for validation of XML request coming in from Web service.

● Implemented SARISSA for client side XML transformation.

● Detail level coding of Java Server Pages (JSP), Servlet, Hibernate.

● Used Schema Export utility and Code generator utility of Hibernate 3.0

● Configured MQ Queue for individual Portfolio transactions and Topic for various product related to Portfolio and developed JMS client to connect MQ

● Developed Database Object like Store Procedures (SP), functions, trigger and Views. ● Configured Logging mechanism using Log4j

● Code review of peers to identify performance problems, identifying bad coding practice and correct all this issues.

● Involved into client interaction for resolving technical and functional issues

**Software Consultant** 

Elegant MicroWeb

Aug 2003 - Jun 2004 (11 months)

Product Development and gathering requirement & client communication.

1. Understanding functionality using System Require Specification (SRS).

2. Designed application using Magic Draw from UML.

3. Developed application

4. Wrote UNIX shell script for deployment

5. Preparing test data which was used to test validity of Rules written.

6. Improved performance using various J2EE related design patterns like Value Object, Session Façade, and Front Controller.

● Development of application using Java,JSP,Servlet, JDBC.

● Build and deployment of application in QA environment.

● Development & Testing of application using Java,Applet, JDBC.

**Education**

**Hemchandracharya North Gujarat University** 

Master's Degree, Computer Science

2000 - 2003

Masters degree in Computer Applications with Distinction ( 70%+)

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