Vipul Gohil

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Manager, Lead, Architect -Java Kafka Spring AWS GCP

Results-driven leader with 20+ years of expertise in designing, developing, and delivering scalable, secure, complex services in finance and insurance domains. Collaborate with cross functional teams, Business Architects, Product Owners, Agile Coach to ensure robust scalable solution. Experience in development across various domains, including Services, APIs, Online, offline, batch, open system, Cloud/on-premises solutions. Spearheaded successfully converting monoliths to microservices and migrating to cloud platform AWS, GCP and saving 10% operational cost. 20% savings on computational footprint by design and code optimization. Recognized as an expert in system design, architectural design review. Leading and mentoring high performance engineering team in the USA and around globe.

# TECHNICAL SKILLS

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| Programming Languages | Java, Python, Hibernate, Microservices, RESTful, Git, Eclipse, IntelliJ IDEA, NymPy |
| AWS Services | EC2, Lambda, CloudWatch, IAM |
| Database | Oracle, MySQL, MongoDB, SQL, NoSQL Database, PLSQL GraphQL |
| Web Technologies | ReactJS, XML, HTML, JavaScript, Spring, SpringBoot, Struts |
| Cloud Technologies | AWS, GCP, Hybrid, Azure, Google Cloud Platform (GCP) |
| Observability | Grafana, Splunk |
| Servers | WebSphere, WebLogic, Tomcat, AWS Lambda, Kafka |
| Code Analysis | CheckMarx, CAST, SonarQuebe |
| Project Management | Team Leadership, Agile Methodologies, JIRA, Confluence, Figma, Scrum, Kanban, Waterfall |
| Soft Skills | Communication Skills, Problem Solving, Analytical Thinking, Collaboration, Time Management, Decision Making, Mentoring and Coaching, Conflict Resolution |

# WORK EXPEREINCE

## Lead software engineer – Broadridge financial Apr’08 – June’2024

1. 20% Reduced computational footprint by design change and code optimization, performance tuning.
2. 15% reduction in problem reports / issues improved turnaround time.
3. 10% reduction in upkeeping cost by converging application from functional point of view.
4. 30% improvement in application hotspots by using online / offline /batch modes.
5. Spearheading digital transformation of Proxy applications. Collaborate, lead, develop, implement & support 50+ microservices.
6. Collaborate with Product Owners, Agile Coach to ensure scalable solution and technical architecture. Digital Transformation, Implement cloud computing, AI, machine learning.
7. Evaluate, Encourage, Cultivate, foster culture of engineering innovation, collaboration, and continuous improvement.
8. Define, articulate high level estimation, t-shirt sizing, detailed estimation, and map that to resources, hours, and budget.
9. Analyze java heap dump for memory leak and performance improvement.
10. Reduce technical debt by 30% -up Skilling / re skilling engineering teams (SpringBoot, ReactJS, Microservices, RESTful API)
11. Foster collaboration in engineering team members, weekly one-on-one, face to face meetups and encourage to attend work place few days week.
12. Leading a cross-functional team of fifteen engineers located in India & USA, collaborating closely with development, product, qa, and agile heads, top management, server engineering, application security, team teams.
13. Reducing maintenance cost by 20% in converting monolithic applications into RESTful Apis.
14. Implemented a transition from mainframe to web-based interfaces for domestic data entry, improving data processing speed by 20% and user satisfaction.
15. Migrated 100+ batch/WEB/API projects from Perforce to GIT and TeamCity/BladeLogic to Jenkins/CloudBees
16. Tracking and remediation of security issues of internal and external facing applications.
17. Implemented Apache Spark to streamline feed data ingestion and report generation.
18. Helped into implementing Grafana for monitoring and creating operational dashboards
19. Saved 50% of installation efforts by implementing CICD pipeline using CloudBees and Jenkins.
20. Collaborating with architecture and security team on application design reviews.
21. Worked closely with the product team in writing EPICs, stories, and test cases, contributing to enhanced application architecture.
22. Saved storage cost by implementing scalar model in Kafka.

## Consultant/Lead Developer at Liberty Mutual Insurance, NH Nov’06-April’2008

1. Provided IT consulting services to Liberty Mutual and contributed to the development of the latest platform for insurance quote services.
2. Engaged in discussions with business and technical managers to identify business requirements.
3. Proposed architecture goals and future application architecture strategies, presenting to top management and business teams.
4. Successfully implemented business intelligence for the insurance domain in Rule Engine - ILog JRule.
5. Tested and administered rules, creating forward and backward chaining rules for various reporting purposes using Rule Studio.
6. Developed XSL for Rate, Quote service, providing a different format XML database based on application clients.
7. Developed XSD to validate inbound XML requests into diverse services.
8. Developed and configured IBM Message Broker, connecting to Enterprise Service Bus (ESB).
9. Implemented various messaging channels for claims and coverage modules in the application using MQ Series.
10. Applied various design patterns including Singleton, Business Delegate, Session Façade, Value Object, Front Controller, and Data Access Object (DAO).
11. Developed Rate and Quote Web Service on WebSphere.
12. Created database objects such as stored procedures (SP), functions, triggers, and views.
13. Developed an automated/regression testing tool using XMLUNIT and HTTPUNIT to test WebService and defined unit testing strategies.
14. Configured a continuous integration framework using Cruise Control.
15. Collaborated with the System Operation Team to resolve production server technical issues.
16. Developed an Applet Swing GUI client interacting with the server using HTTP Tunneling.
17. Led the building of applications, deployment in a QA environment, and communication about features released in the project.

# Education

**Hemchandracharya North Gujarat University** 

Master's Degree, Computer Science

2000 - 2003

Master’s degree in computer applications with Distinction (70%+)

Lead Develop Collaborate Drive Champion Ensure Evaluate Implement Foster Cultivate Partner Define Provide Promote Establish Celebrate Take ownership Present Evangelize Articulate Create Direction Mentorship Support Professional growth Development Cross-functional teams Company goals Objectives Technical excellence Best practices High-quality solutions Scalable solutions Innovative technologies Methodologies Product performance Resilience Culture of collaboration Innovation Engineering team Organization Stakeholders Work outcomes Priorities Milestones Strategic insights Technical expertise Product roadmap decisions Senior leadership Engineering initiatives Responsibilities Processes Monitoring progress Measuring results Wins Team level Individual level Internal teams Vision In-person collaboration Creativity Innovation Offices Richness of culture Engineering servant-leader Team-first leadership style Highly available systems Observable systems Resilient systems Scalable systems Performant systems Streaming data solutions Large data volumes Related infrastructure Cloud-based architectures Development Revision control Test automation Deployment automation Data collecting technologies Data streaming technologies Data processing technologies SQL Data structures Data integrity Schema design TypeScript JavaScript Python Java Object-oriented language Work experience Leadership experience Bachelor's degree Master's degree Computer Science Engineering