Vipul Gohil

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Director, Manager, Architect, Lead - Microservices, Digital Transformation, AI ML

Results-driven leader with 22+ years of expertise in designing, developing, and delivering scalable, secure, complex services in finance and insurance domains. Bringing operational efficiency and digital transformation that saved millions of dollars, improved customer experience. Mentoring team of 20 high performance engineers located in the USA and around globe.

# TECHNICAL SKILLS

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| AI & ML Tool/  Technologies | Pytorch, RAG, GPT, Transformer, TensorFlow, NLP, Computer Vision, Knowledge Graphs, Large Language Models (LLM), GraphML, Deep Graph Learning, Data modeling, Diffusion, MLOps |
| Programming Languages | Java, Python, Hibernate, Microservices, RESTful, Git, Eclipse, IntelliJ IDEA |
| 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) |
| 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, Verbal and written communication |

# WORK EXPEREINCE

## Manager software development – Broadridge financial Apr’08 – June’2024

1. Building Designed and implemented a secure, scalable proxy platform used by 100+ global financial institutions, including Fortune 500 clients like Apple, Facebook, Google, and Tesla, enhancing transaction processing speed by 25%.
2. Managed and successfully delivered 100+ engineering projects with a cumulative budget of $20M, consistently meeting time, resource, and quality benchmarks.
3. Provide leadership, vision, and direction to ensure it will contribute to Company’s strategic goals.
4. Directed and mentored a global team of 20 engineers, improving team productivity by 20% and reducing turnover by 10% through an effective leadership and skill development program.
5. Achieved a 20% reduction in computational footprint through advanced design modifications and code optimization, resulting in $100K annual savings.
6. Implemented automated code quality checks and manual review processes using tools like SonarQube and CheckMarx, leading to a 15% decrease in problem reports.
7. Enhanced customer experience by 30% through optimizing application performance across online, offline, and batch modes, reducing response times by 40%.
8. Spearheaded a comprehensive digital transformation, migrating legacy applications to cloud-based microservices, improving agility and scalability. Excellent verbal and written skills.
9. Collaborated closely with product, QA, Agile, and security teams to streamline workflows, reducing security vulnerabilities by 30%.
10. Cultivated a culture of innovation and continuous improvement, introducing monthly hackathons and workshops that led to the adoption of 5 new technologies in production.
11. Defined and articulated high-level and detailed estimations, improving project timeline accuracy by 15% and aligning resources and budgets with project demands.
12. Translated complex business requirements into actionable technical solutions, leading to the successful deployment of 6 major enterprise applications.
13. Reduced technical debt by 30% through team upskilling and rewriting key applications using SpringBoot, ReactJS, and AWS ML, improving maintainability and performance.
14. Fostered team collaboration through weekly one-on-one meetings and in-person interactions, resulting in a 15% improvement in project delivery.
15. Collaborating with product, qa, and agile heads, top management, server engineering, application security teams.
16. Reduced maintenance costs by 20% and improved application performance by 25% by converting monolithic systems into RESTful APIs.
17. Led the transition from mainframe to web-based interfaces, improving data processing speed by 20% using modern web technologies like SpringBoot and ReactJS. Migrated 10 mainframe modes to distributed system, increase scale and flexibility of services.
18. Successfully migrated 100+ batch, web, and API projects from Perforce to Git and from TeamCity/BladeLogic to Jenkins/CloudBees, enhancing CI/CD pipeline efficiency by 30%.
19. Negotiated contracts and managed vendor relationships, successfully reducing third-party development costs by 15% and accelerating delivery timelines by 10%.
20. Successfully implemented fraud detection model in proxy services reduced fraudulent activity by 5%.

## 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.

## Sr. Software Engineer at Asite -Construction, IT , Documentum Aug’04 – Nov’06

1. Worked on multiple product development initiatives within a dynamic team environment.
2. Developed Use Case (UC) based on System Requirement Specification (SRS) for the Heading System.
3. Designed various UML diagrams and built prototypes for applications, including class diagrams, sequence diagrams, and package diagrams, using Rational Rose for Investment Plan, Individual Investment, and employee modules.
4. Developed GUI for Fund Manager using Struts, enabling advanced heading options.
5. Led the building, deployment, and performance monitoring of applications.
6. Implemented design patterns like Filter Interceptor, Front Controller design patterns for security purposes, and tracked all requests.
7. Developed various database objects, including stored procedures, views, triggers, and SQL queries.
8. Created Weblogic Multi Pools for different databases in the application.
9. Shared knowledge about AJAX, DWR, and SARISSA by conducting sessions for other team members.
10. Implemented various J2EE design patterns, including Singleton, Filter Interceptor, Front Controller, Business Delegate, and Factory.
11. Developed XSL for different views of Portfolio, Customer, and Traders.
12. Developed XSD for the validation of XML requests coming in from Web services.
13. Implemented SARISSA for client-side XML transformation.
14. Engaged in detail-level coding of Java Server Pages (JSP), Servlet, and Hibernate.
15. Utilized Schema Export utility and Code Generator utility of Hibernate 3.0.
16. Configured MQ Queue for individual Portfolio transactions and Topic for various products related to Portfolio, developing a JMS client to connect to MQ.
17. Developed database objects like stored procedures (SP), functions, triggers, and views.
18. Configured logging mechanisms using Log4j.
19. Conducted code reviews of peers to identify performance problems, bad coding practices, and corrected such issues.
20. Participated in client interactions for resolving technical and functional issues.

# 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