Vipul Gohil

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Manager, Architect, Lead - Java, Kafka, AWS, AI ML

Summary: 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, GPT, Transformer, TensorFlow, Large Language Models (LLM), Deep Graph Learning, Data modeling, Diffusion |
| Programming Languages | Java, Python, Hibernate, Microservices, RESTful, Git, Eclipse, IntelliJ IDEA |
| AWS Services | EC2, Lambda, CloudWatch, IAM |
| Database | Oracle, MySQL, SQL, NoSQL Database, PLSQL |
| 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 |

# WORK EXPEREINCE

## Manager software development, Broadridge financial-NY 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. Directed and mentored a global team of **20 engineers**, improving team productivity by **20%** and turnover by **10%** through an effective leadership and skill development program.
4. Achieved a **20% reduction** in computational footprint through advanced design modifications and code optimization, resulting in **$100K annual savings**.
5. Implemented automated code quality checks and manual review processes using tools like SonarQube and CheckMarx, leading to a **15%** decrease in problem reports.
6. Enhanced customer experience by **30%** through optimizing application performance across online, offline, and batch modes, reducing response times by 40%.
7. Spearheaded a comprehensive digital transformation, migrating legacy applications to cloud-based microservices, improving agility and scalability. Excellent verbal and written skills.
8. Collaborated closely with product, QA, Agile, and security teams to streamline workflows, reducing security vulnerabilities by **30%**.
9. Cultivated a culture of innovation and continuous improvement, introducing monthly hackathons and workshops that led to the adoption of 5 new technologies in production.
10. Defined and articulated high-level and detailed estimations, improving project timeline accuracy by **15%** and aligning resources and budgets with project demands.
11. Translated complex business requirements into actionable technical solutions, leading to the successful deployment of 6 major enterprise applications.
12. Reduced technical debt by **30%** through team upskilling and rewriting key applications using SpringBoot, ReactJS, and AWS ML, improving maintainability and performance.
13. Fostered team collaboration through weekly one-on-one meetings and in-person interactions, resulting in a **15%** improvement in project delivery.
14. Collaborating with product, qa, and agile heads, top management, server engineering, application security teams.
15. Reduced maintenance costs by **20%** and improved application performance by **25%** by converting monolithic systems into RESTful APIs.
16. 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.
17. 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%**.
18. Negotiated contracts and managed vendor relationships, successfully reducing third-party development costs by **15%** and accelerating delivery timelines by **10%**.
19. 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

# 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