Vipul Gohil

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Manager, Lead - GenAI RAG LangChain, FAISS, PineCone

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, and improved customer experience. **Mentoring team of 20 high performance engineers** located in the USA and around globe.

# TECHNICAL SKILLS

Project Management: Team Leadership, Agile Methodologies, JIRA, Confluence, Figma, Scrum, Kanban, Waterfall

AI/ML: Pytorch, GPT, Transformer, TensorFlow, GenAI, LangChain, FAISS, PineCone, RAG

Programming Language: Java, Python, SpringBoot, Struts, ReactJS, ETL, PLSQL

Other Tools: Dockers, Kubernetes, Git, Perforce, TeamCity, Jenkins, Jfrog, Delphix

Cloud Technologies: AWS, GCP, Hybrid, Azure, Google Cloud Platform (GCP)

# WORK EXPEREINCE

**BROADRIDGE FINANCIAL – NEW YORK APRIL 2008-JUNE 2024**

**MANAGER SOFTWARE DEVELOPMENT**

* 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%**.
* Managed and successfully delivered **100+** engineering projects with a cumulative budget of **$20M**, consistently meeting time, resource, and quality benchmarks.
* **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.
* Achieved a **20% reduction** in computational footprint through advanced design modifications and code optimization, resulting in **$100K annual savings**.
* **Enhanced customer experience by 30%** through optimizing application performance across online, offline, and batch modes, reducing response times by 40%.
* **Spearheaded a comprehensive digital, AI, ML transformation**, design & implements **transformation roadmaps**, migrating legacy applications to cloud-based microservices, improving agility and scalability. Excellent verbal and written skills.
* Collaborated closely with product, QA, Agile, and security teams to streamline workflows, **reducing security vulnerabilities by** **30%**.
* Defined and articulated high-level and detailed estimations, improving project timeline accuracy by **15%** and aligning resources and budgets with project demands.
* Reduced technical debt by **30% through team upskilling and rewriting key applications** using SpringBoot, ReactJS, and AWS ML, improving maintainability and performance.
* Fostered team collaboration through weekly one-on-one meetings and in-person interactions, **resulting in a 15% improvement in project delivery**.
* Collaborating with product, qa, and agile heads, top management, server engineering, application security teams.
* **Improved application performance by 25%** by converting monolithic systems into RESTful APIs.
* Led the transition from mainframe to web-based interfaces, **improving data processing speed by 20%**. Migrated 10 mainframe modes to distributed system, increase scale and flexibility of services.
* **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%**.
* Developed model for financial clients to summarize financial reports using **FIASS, LLaMA, RAG.**
* **Develop model for Funds / ETFs using LangChain, LLM, RAG.**

**Liberty Mutual Insurance NEW HAMPSHIRE Nov’ 2006-April 2008**

**IT CONSULTANT/LEAD DEVELOPER**

* Provided IT consulting services to Liberty Mutual and contributed to the development of the latest platform for insurance quote services.
* Engaged in discussions with business and technical managers to identify business requirements.
* Proposed architecture goals and future application architecture strategies, presenting to top management and business teams.
* Developed XSL for Rate, Quote service, providing a different format XML database based on application clients.
* Implemented various messaging channels for claims and coverage modules in the application using MQ Series.
* Created database objects such as stored procedures (SP), functions, triggers, and views.
* Developed an automated/regression testing tool using XMLUNIT and HTTPUNIT to test WebService and defined unit testing strategies.
* Collaborated with the System Operation Team to resolve production server technical issues.
* Led the building of applications, deployment in a QA environment, and communication about features released in the project.

Sr. Software Engineer at Asite solutions, Aug’04 – Nov’06

Software Engineer at Elegant Microweb solution Aug’03 – Aug’04

# EDUCATION

**Hemchandracharya North Gujarat University** 

Master's Degree, Computer Science 2000 - 2003