Ruchek Shah

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Java Full Stack Professional – Lead Architect

Profile:

Dynamic Technical Lead with 13 years of experience in designing and implementing robust software solutions that drive organizational success. Expertise in Java, Spring Boot, Microservices, Spring Batch, Angular and Cloud computing enables the delivery of scalable and efficient systems. Proven ability to manage complex projects that lead cross-functional teams to achieve strategic objectives. A Strong analytical thinker, adept at transforming business requirements into technical specification while ensuring alignment with industry best practices. Committed to continuous improvement and innovation in technology-driven environment.

EMPLOYMENT DETAILS:

Lead Architect at Elfonze Technologies Pvt Ltd, Bengaluru
May 2022 – Present

Lead Consultant at ETAN Industries, Dallas, TX
August 2021 – May 2022

Technical Lead at Crest Data Systems, Ahmedabad
February 2021 – August 2021

Lead Consultant at Anblicks Cloud Data Engg Private Limited, Ahmedabad
May 2017 – January 2021

Software Engineer at Sterlite Technologies Ltd, Ahmedabad
September 2012 – May 2017

EDUCATION:

- Masters in Computer Applications (2013) - Gujarat Technological University with 7.20 CGPI.
- Bachelors in Computer Applications (2010) - Gujarat University with 60.66%.
- Higher Secondary Education (2007) - Gujarat Board with 65%.
- Secondary Education (2004) - Rajasthan Education Board with 64%.

KEY SKILLS:

- **Leadership & Mentoring:** Team management, cross-functional collaboration, agile methodologies
- **Solution Architecture:** Microservices, RESTful APIs, Event-Driven Design
- **Cloud Platforms:** AWS (S3, EventBridge, Lambda), Azure (Blob Storage, Notification Hubs, Functions, Graph APIs, Entra Authentication, Service Bus, Cosmos DB)
- **Backend Technologies:** Core Java, J2EE, JSP Servlets, Struts, Spring, Spring Boot, Spring Batch, Spring Security, Spring MVC
- **Gen AI & AI Tools:** OpenAI APIs, ChatGPT, Prompt Engineering, AI Model Integration, Spring AI
- **Frontend Technologies:** JavaScript, JQuery, Angular, React
- **ORM:** Hibernate, JDBC, JPA, Mybatis
- **Web Services:** REST, SOAP
- **Build Tools:** Ant, Maven
- **Database Management:** Oracle, MySQL, MSSQL, PostgreSQL, SQL/PLSQL, MongoDB
- **DevOps & CI/CD:** Docker, Jenkins, GitLab, Azure DevOps
- **Tools:** Jira, Confluence, Bitbucket, Git, Lucid Charts, Boostnote, Node-red

- **Big Data:** ElasticSearch

CERTIFICATIONS:

Oracle Certified Professional, Java SE 6 (May 2015)

PROFESSIONAL EXPERIENCE:

Lead Architect Elfonze Technologies Pvt Ltd | May 2022 - Present
- Architected and led the development of cloud-based applications using Spring Boot and AWS.
- Developed and deployed a Gen AI-powered chatbot using OpenAI and Spring AI to improve customer interactions.
- Collaborated with stakeholders to gather requirements and deliver scalable, secure solutions.
- Implemented microservices-based architectures with robust API management.
- Conducted technical mentoring and code reviews, ensuring best practices.

Lead Consultant (Contract) ETAN Industries (TX, USA) | Aug 2021 - May 2022
- Provided architectural guidance and technical leadership for business-critical applications.
- Designed and developed microservices for real-time vehicle data tracking.
- Enhanced system scalability and reduced operational downtime by 30%.

Technical Lead Crest Data Systems | Feb 2021 - Aug 2021
- Led a team of developers to build custom data analytics platforms using ELK.
- Integrated cloud solutions with Google Cloud Console for enhanced log management.

Lead Consultant Anblicks Cloud Data Engg Pvt Ltd | May 2017 - Jan 2021
- Spearheaded enterprise-level projects across multiple domains.
- Migrated legacy applications to modern cloud environments.
- Built scalable microservices and implemented API Gateways.

Software Engineer Sterlite Technologies Ltd | Mar 2013 - May 2017
- Developed and maintained enterprise web applications.
- Implemented REST and SOAP services for system integration.
- Managed deployments using Jenkins and Docker

PROJECT HIGHLIGHTS:

Project: Embedded Web Application
Client: Schneider Electric
Description: Developed embedded web application for TeSysTerra control switch which provides monitoring and diagnostic details for control centers, with features like controlling the settings, security and firmware update for the switch.
Responsibilities: Client Communication, Requirement Analysis, System Design, Documentation, Delivery Management
Technology / Tools: Java 17, TLS 1.3 Security, AES encryption, React, Socket Communication

Project: Employee Self Service Portal
Client: PwC
Description: Employee Self Service portal with Gen AI Bot which is integrated with all the other applications used by the organization and acts as one stop solution to access the information like policies and benefits for employees, Integration with systems like Workday, Alight, Docebo and acts as one stop solution to manage daily operations like time entry, time offs, compensation, Health benefits or learning and certificates using Web and Mobile on IOS and Android.
Responsibilities: Technical designing, Grooming, Analysis and Exploration, communicate with cross functional team,

vendors to design robust solutions
Technology / Tools: Java 17, Spring Boot, Spring AI, Open AI, Chat GPT, MongoDB, Azure, Microsoft Entra and Graph APIs, Workday OBO, Ionic with Angular

Project: Develop Webservices for Fast Automotive application suite
Client: S&P Global
Description: Automative Project has many applications developed to provide data to the entities which purchase license for the data. These applications serve the data for the entities in the domains of dealing the fleet and individual vehicle owners like Insurance, Tolling, Manufactures etc.

Responsibilities: Individual Contributor in developing New APIs, Batch processing services, Migration of legacy Java applications to 11 and 17 version. Migrating Java Swing UI to React app.
Technology / Tools: Java 11 / 17, React, Oracle Database, Jenkins, GitLab

Project: ELK integration with Google Cloud Console
Client: Crest Data Systems
Description: Integration with google cloud console to fetch various logs and store into Elastic search. Replicate GCC dashboards into Kibana.
Responsibilities: Lead team of 3 developers, Client call for requirement understanding, Prepared project documents, design integration code, and design dashboards, code review.
Technology / Tools : ELK Cluster, Go Lang, Google Cloud Console, Docker

Project: WSDOT Toll Back Office System
Client: ETAN Tolling
Description: Toll back office is micro service based back-office system. The application is integrated with various US govt Service for all types of verification, validation of vehicle and drivers. The system is responsible for generating invoices, tracking trip of the vehicle and maintaining the history.
Responsibilities: Leading team of 4 members.
Requirement Analysis, Designing, Development, Code review, Task allocation and review the status.
Tracking the progress of the modules and providing correct status to the project manager.
Technology / Tools: Java 8, Spring Boot, Spring AOP, Spring Batch, Angular, MS SQL Server, Docker, Bitbucket, Azure.

Project: iDempiere ERP - Finance, HR and Inventory
Client: Anblicks INC
Description: ERP Vertical customization on cloud.
iDempiere is an ERP Provide as SaaS, having various modules as Accounting, Project Management, Manufacturing and HR Modules. Developed various HR-Payroll Modules.
Development and maintenance on distributed micro services in Java/JVM, Python environment as per business requirement. Design, develop and maintain database and SQL for maintaining big data analytic using Apache Spark, Elasticsearch and managing distributed SQL in both PostgreSQL and MongoDB.

Responsibilities: Lead team of 6 members. Development and maintenance for Enterprise Resource Planning Modules on distributed micro services (OSGI) in Java/J2EE as per business requirement. Adding solutions to Product as per business requirement built on top of Open-Source ERP Framework (iDempiere). Design, develop and maintain database and SQL for maintaining big data analytic requirement using Apache Spark, Elastic Search and managing SQL in both PostgreSQL and MongoDB.

Technology / Tools: Java 6, IDempiere ERP, PostgreSQL Database, Jenkins, Docker.

Project: Human Resource Management
Client: STL Technologies

Description: Developed a comprehensive Human Resource Management System (HRMS) to streamline various HR operations, including resource onboarding, confirmation, performance evaluation, time tracking, leave management, employee management, asset management, event management, and the separation process.
Responsibilities: Collaborated with stakeholders to gather requirements and contributed to solution design. Developed and implemented business logic across Business, Service, and DB layers using Java 1.6 and JSP Servlets. Provided effective technical solutions to optimize system performance and ensure scalability. Managed UAT and Production Deployments on Apache Tomcat servers. Provided post-go-live support, resolved issues, and implemented enhancements.
Technology / Tools: JAVA 1.6**,** JSP Servlets, Oracle DB, Apache-Tomcat

Project: Inventory Management
Client: STL Technologies
Description: Inventory Management is a web application for maintaining the stock of the appliances with in house stock and partner inventory. It takes care of the stock transfer between the company and its partner, end customer, partner to customer, Delivery, RMA. Appliance return etc.
Responsibilities: Collaborated with stakeholders for requirement gathering and prepared detailed SRS documentation. Developed and implemented business logic across Business, Service, and DAO layers using Java 1.6 and JSP Servlets. Designed and built REST web services for seamless data exchange. Provided technical solutions to optimize inventory management processes. Managed development, testing, and deployment on Apache Tomcat. Delivered post-go-live support, resolved issues, and implemented enhancements using Oracle Database.
Technology / Tools: Java 1.6, JSP Servlets, Rest web services, Oracle Database, Apache Tomcat.

Project: Partner Portal
Client: STL Technologies
Description: Developed a Partner Portal to bring all partners onto a unified platform, ensuring transparency and efficient business management. The portal enabled self-registration with KYC document submission, followed by admin verification for activation. Key features included inventory tracking, AMC management, RMA requests and processing, and partner support chat.
Responsibilities: Gathered requirements and prepared SRS documentation in collaboration with stakeholders. Developed and implemented business logic across Business, Service, and DAO layers using Java 1.6, Struts 2.0, and MyBatis. Provided technical solutions to optimize partner management processes and improve operational efficiency. Managed end-to-end development, testing, and deployment on Apache Tomcat. Delivered post-go-live support, troubleshot issues, and implemented enhancements using Oracle Database.
Technology / Tools: Java 1.6, Struts 2.0, Mybatis, Oracle Database, Apache Tomcat

Project: Project Tracking System
Client: Sterlite Technologies
Description: Developed a web-based Project Tracking System to monitor the entire project lifecycle and track resource efforts in hours. The application managed multiple project milestones, monitored progress, and calculated individual and project-wise timelines. It also maintained budget details and cost sheets for effective financial tracking.
Responsibilities: Gathered requirements and prepared SRS documentation in collaboration with stakeholders. Developed and implemented business logic across Business, Service, and DAO layers using JSP Servlets. Provided technical solutions to ensure accurate project tracking and efficient resource management. Managed development, testing, and deployment on Apache Tomcat. Delivered post-go-live support, resolved issues, and implemented enhancements using Oracle Database.
Technology / Tools: JSP Servlets, Oracle Database, Apache tomcat.

Project: Training Portal - Learning & Development Portal
Client: Sterlite Technologies
Description: Developed a comprehensive Training Portal to streamline the Learning and Development (L&D) process with enhanced transparency. The system automated the Training Needs Identification (TNI) process, enabling the L&D team to design and schedule training programs effectively. Key features included training calendar management, registration, feedback collection, trainer evaluations, post-training assessments, and attendance tracking.
Responsibilities: Gathered requirements and prepared SRS documentation in collaboration with stakeholders. Developed and implemented business logic across Business, Service, and DAO layers using Struts 2.0 and Hibernate 3.0. Provided technical solutions to optimize the L&D workflow. Managed end-to-end development, testing, and deployment on Apache Tomcat. Delivered post-go-live support, resolved issues, and implemented enhancements using Oracle Database and SVN for version control.
Technology / Tools: Struts2.0, Hibernate 3.0, SVN, Apache Tomcat Oracle Database.

Project: Campus Drive Examination Portal.
Client: Sterlite Technologies
Description: Developed a Campus Drive Examination Portal to streamline the campus hiring process for the talent acquisition team. The application allowed configuration of multiple subjects and test papers, with customizable exam setups based on subject selection and difficulty levels. During exams, candidates received randomized questions as per the configured parameters, ensuring fair assessment.
Responsibilities: Collaborated with stakeholders for requirement gathering and prepared SRS documentation. Developed and implemented business logic across Business, Service, and DAO layers using Java 1.6 and Struts 2. Provided technical solutions to optimize exam management and ensure seamless user experience. Managed development, testing, and deployment on Apache Tomcat. Delivered post-go-live support, resolved issues, and implemented enhancements using Oracle Database.
Environment: Java 1.6, Struts 2, Oracle, Apache Tomcat.