RICKIN SHAH

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SUMMARY OF QUALIFICATION

- Proficient in developing scalable and efficient software solutions.
- Expertise in full-stack development, database design, and system architecture.
- Experienced in building distributed systems and optimizing database performance.
- Skilled in integrating AI-powered solutions such as chatbot and content moderation.
- Strong problem-solving, teamwork, and adaptability to new technologies.

TECHNICAL SKILLS

- **Programming Languages:** Go, Java (Advanced), C, C++, JavaScript, Shell Scripting, Python
- **Frameworks:** Spring MVC, Spring Boot, Hibernate, FastAPI
- **Databases:** MariaDB, PostgreSQL, SQLite, Redis
- **Messaging & Queues:** RabbitMQ
- **DevOps & Tools:** Nginx, Docker, Git, Postman, Neovim, IntelliJ IDEA
- **Development Methodologies:** Agile, Waterfall, Iterative
- **Authentication & Security:** JWT Authentication, Stateful Authentication

EDUCATION

Bachelor of Technology in Computer Science   2021 – 2025
Indus University, Ahmedabad, Gujarat

HSC   2020 – 2021
St. Mary's School, Ahmedabad, Gujarat

SSC   2018 – 2019
St. Mary's School, Ahmedabad, Gujarat

EXPERIENCE

Java Developer – Intern   June 2023 – July 2023
SORS IT SOLUTIONS

- Enhanced application reliability and modularity by implementing Dependency Injection.
- Designed and developed RESTful APIs using Spring frameworks and MVC architecture.
- Engaged in cross-functional collaboration with clients and internal teams to deliver tailored solutions.

PROJECTS

BugBee   August 2024 – October 2024
Indus University
Technologies: Go, WebSockets, FastAPI, React, PostgreSQL, Redis, Nginx, Docker, Git, Hugging Face Transformers

- Built a secure university-exclusive social networking platform.
- Implemented a stateful authentication and role-based access control.
- Integrated Redis caching for performance optimization.
- Optimized search with PostgreSQL's tsvector for similarity-based matching.
- Used Redis as a queue to batch insert votes, comments, and other interactions to improve database efficiency.
- Indexed databases for both similarity search and traditional indexing to enhance query performance.

Immerse   Feb 2024 – April 2024

Indus University

Technologies: Spring, Hibernate, FFmpeg, Shell Scripting, AJAX, HTML, CSS, JavaScript, MariaDB, Nginx

- Developed a video streaming web application featuring a curated content library with favoriting and watchlist options.
- Automated video processing using FFmpeg scripts for multi-resolution HLS streaming.
- Leveraged Nginx for efficient caching and load balancing, ensuring smooth streaming performance.

Image Editor   October 2023 – November 2023

Indus University

Technologies: Python, PIL, Tkinter

- Designed an intuitive desktop image editing tool with functionalities like brightness, contrast, and filter adjustments.
- Supported multiple file formats (JPG, PNG, WEBM) with non-destructive export options.

CERTIFICATIONS

AWS Academy Graduate   September 2024

AWS Academy Machine Learning Foundations

- Trained in AWS machine learning services and cloud-based AI development.

Mastering Data Structures & Algorithms (C & C++)   November 2022

Udemy

- Focused on recursion, trees, graphs, sorting and searching algorithms.