YASHASHWINI BHAT
Software Engineer
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SUMMARY

Software Engineer with 2+ years of experience building scalable full stack applications using Java, Spring Boot, React. Strong proficiency in microservices, distributed systems with proven track record of improving latency, and building reliable software.

EDUCATION

Northeastern University, Seattle, WA   **Oct 2021 - Oct 2023**
Master of Science in Information Systems   **GPA – 3.9/ 4.0**
- Related Courses**:** Object-Oriented Design, Data Structures and Algorithms, Web Development.

Visvesvaraya Technological University, Karnataka, India
Bachelor of Engineering in Computer Science
- Related Courses: Cloud Computing, Distributed Systems, Databases, Computer Networks.

PROJECTS

Hotel Management System | Java, MySQL, NetBeans IDE
- Designed a running swing application to design and implement software systems for complex problems that focus on the construction of digital platforms.
- Implemented object-oriented design and layered architecture to support modularization.

Scalable Chat Application | Web Sockets, Node.js, Docker
- Implemented **WebSocket** to support instant messaging and provide continuous user updates.
- Deployed real-time chat app using **WebSocket's** and **Docker containers.** Implemented asynchronous message queue to handle 100+ concurrent users.

Pet Adoption App | React, Node.js, HTML, Rest API
- Built a **React.js + Node.js SPA** enabling users to register and adopt pets. Implemented secure session management and **Rest APIs** for backend validation and data persistence.

Generative AI with Google Cloud Vertex AI
- Developed a generative AI risk analysis assistant using **Googles Vertex AI(Gemini)** through prompt engineering.
- Converted prompts into prototype applications to summarize risk from unstructured inputs.

EXPERIENCE

MindStack Technologies, India – Software Engineer   **June 2018 – July 2020**
- Developed and deployed Spring-Boot based **web application** (MVC architecture) with a Restful notification service that increased purchase conversion rate by **10%** and scaled to **1K+users** using multithreaded, asynchronous request handling.
- Optimized SQL queries, added indexes, and reduced API latency by 20%, improving system response.

TECHNICAL SKILLS

- **Languages:** Java, C, C#, C++, JavaScript, SQL, Python, HTML.
- **Frameworks/Tools:** React, Spring Boot, Node.js, JUnit, Jenkins, Git, REST API
- **Database technologies:** MySQL, MongoDB, Postgres SQL, NoSQL
- **Skills/Technologies:** Vertex AI, Docker, Kubernetes, AWS, OOP, LLM API's, Agile, Microservices, CI/CD.