# 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.