Ishan Sharma

Graduate, Computer Science & Engineering
Lakeview Apartments, Paschim Vihar, New Delhi - 110087

ishans1478@gmail.com
LinkedIn | Github
Mobile: +91-8826478700

Work Experience

Fintheon Private Limited   **Mumbai, India**
Software Engineer I (Spring Boot, React, PostgreSQL, CI/CD, Microservices)   Sept 2022 - Present

- Led the end-to-end delivery of a pivotal *Fintheon Credit Rating System Project* setting up a robust Credit Rating engine, comparing and rating at a **scale of 0 -> 200+ *different companies*** from inception to implementation.

- Engineered significant *cost savings* optimization techniques, achieving a **50% reduction** in external API requests and a **40% reduction** in DynamoDB costs.

- Designed and implemented a **scalable Fintheon Company Analysis Excel Report Generator** for a streamlined finance document generation. **Enhancing accessibility and efficiency** to a company's financial report.

- Pioneered the **establishment of Critical Testing Infrastructure** introducing frameworks such as Cucumber and Cypress, enhancing reliability across Fintheon's codebase **by more than 20%.**

Technical Skills

- **Languages:** Java (17), TypeScript
- **Frameworks and Tools:** Spring Boot, React, Hibernate
- **Technical Skills:** Data Structures and Algorithms, Redis, AWS, Terraform, GitHub Actions
- **Databases:** PostgreSQL, DynamoDB
- **Testing Frameworks:** Cucumber, Cypress

Projects

Online Judge (Java, Spring Boot, PostgreSQL, Hibernate)   May 2024

- Created a scalable Java backend for an online judge webapp used for hosting competitive programming contests, **prioritizing modular design** to accommodate future enhancements seamlessly.

- Integrated a suite of user-focused functionalities, including **seamless registration**, problem-solving capabilities, and **real-time leaderboard updates**.

- Utilized in-memory data structures in Java to ensure fast access and manipulation within the **3-second execution time limit.**

Redis+ (Java, Web Sockets, Caching)   April 2024

- Developed a Redis clone in Java replicating core functionalities such as **key-value storage**, **key expiration**, set and lists.

- Implemented robust **networking protocols** and **concurrency control mechanisms** for efficient client-server communication.

- Employed scalability techniques like **sharding** and **replication** to enhance performance.

Achievements and Contributions

- **370+ problems solved** in **Data Structures and Algorithms** on LeetCode and Code 360 combined.
- **Most Valuable Player (MVP) 1 time** across the Fintheon team for being a prime contributor to Fintheon's tech stack and delivering high-end projects in limited time frames.
- Ranked **1st** in **Fintheon bug bash hackathon,** solving critical bugs.
- Ranked **3rd** in **SRM Builds 2.0 - Hackathon 2022**

Education

- **B.Tech in Computer Science**   SRM Institute of Science and Technology, Sonipat   2018 – 2022
- **CBSE**   DAV Public School, New Delhi   2016 – 2018