HARPREET SINGH

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SUMMARY

Java Full Stack Developer with 1+ years of professional experience in designing, developing, and deploying scalable applications. Expertise in Java, Spring, Bootstrap, jQuery, React.js, and RESTful APIs, with strong proficiency in PostgreSQL and AWS Cloud. Skilled in building user-focused solutions and optimizing system performance. Passionate about leveraging cutting-edge technologies to solve complex business challenges.

EDUCATION

B.Tech, Computer Science and Engineering   Graduating July 2024
Guru Gobind Singh Indraprastha University, New Delhi   8.936 CGPA
Guru Tegh Bahadur Institute of Technology
Relevant coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering

TECHNICAL SKILLS

Frameworks and Libraries: Spring Boot, React.js, Bootstrap
Databases and Cloud Services: MySQL, PostgreSQL, MongoDB
Cloud & DevOps: Git, Docker, RESTful APIs, CI/CD (GitLab, Jenkins)
Programming Languages: Java, Python, JavaScript
Certifications: AWS Cloud, Java Programming Certification

PROFESSIONAL EXPERIENCE

OTW Solutions Army Project, Shankar Vihar, New Delhi: Software Developer   Jan 2024 – Present
- Developed a complex HRMS system for the Indian Army, ensuring efficient personnel management and robust system durability.
- Designed and implemented dynamic forms using HTML, CSS, Bootstrap, and jQuery, backed by a powerful Spring and PostgreSQL framework.
- Built and deployed multiple RESTful APIs, ensuring seamless integration and optimized backend processes.
- Improved data retrieval rates by 52% and enhanced query efficiency by 33% through advanced PostgreSQL tuning and effective use of JSON formatting.
- Applied various data structures to bolster system durability, enhance performance, and improve data protection mechanisms.

ACADEMIC PROJECTS

TigerDev x Solana
Developed a successful Flutter mobile app for buying and selling Tiger NFTs. **GITHUB**
- Created a Flutter mobile app for Tiger NFT transactions on Solana.
- Completed the entire UI within a tight deadline of three days.
- Achieved recognition from the Solana team for the innovative idea and the app's success.

Data Analyst with Sentiment Analysis
Analyzed Zomato & Swiggy reviews provided strategic service recommendations. **GITHUB**
- Conducted sentiment analysis on Zomato and Swiggy reviews.
- Utilized Python, NLP, NLTK, and machine learning algorithms.
- Generated strategic recommendations through visualizations for service quality enhancement.

OTHER WORK EXPERIENCE

Google Developer Students Club, GTBIT: App Developer & Management Team Lead Member   Aug 2022 – June 2024
- Led the app development and management teams for my college GDSC society.