Amrit Singh

Software Engineer

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EDUCATION

B.S. Computer Science, California State University, Sacramento   January 2020
M.S. Computer Science, Georgia Institute of Technology   Present

TECHNICAL SKILLS

Programming: Java, JavaScript, Python, HTML5, CSS | Backend Development, Distributed Systems
Libraries/Platforms: React, Vue.js
Tools/Testing Frameworks: Spring Boot, Hibernate, JUnit5, Gradle, Mockito, Git, CI/CD, Postman
Cloud/Databases: AWS, Docker, PostgreSQL, MySQL, Oracle

PROFESSIONAL EXPERIENCE

Software Engineer, Banyan Infrastructure, San Francisco, CA   August 2022 - Present
- Led design and development of a core financial feature using Java, Spring Boot, REST APIs, and PostgreSQL to onboard the largest customer in company history, adding $2M in annual recurring revenue (ARR)
- Developed a grant-tracking system integrating real-time EPA GGRF funding data, giving clients actionable visibility into allocations across the $27B national clean energy initiative.
- Optimized backend workflows, reducing Java-side filtering and reengineering SQL queries to improve system performance and cut page load times by 99%, substantially improving platform responsiveness and customer satisfaction.
- Drove engineering quality initiatives, including improving test coverage and writing technical design documentation, streamlining development cycles and boosting project completion rates by 20%.
- Collaborated cross-functionally with product, QA, customer success, and marketing teams to plan feature rollouts, gather requirements, and ensure smooth delivery from concept to deployment.
- Onboarded and mentored new engineers and interns, providing guidance on platform architecture, development standards, and best practices in Spring Boot, REST API design, and SQL optimization.

Software Engineer, Sherwin-Williams, Remote   November 2021 - July 2022
- Built and deployed Spring Boot microservices powering enterprise pricing services for 20M+ customers, improving data consistency and pricing accuracy across global retail systems.
- Collaborated effectively with other engineers and project managers in order to build services from the ground up that assisted in the creation of a web-application.
- Programmed entity models for a relational database and developed SpringBoot REST API calls for a web-based application to allow a price analyst to determine an accurate price to assign a customer.

Technology Coordinator, Sacramento Valley Charter School, Sacramento, CA   September 2014 – November 2021
- Spearheaded the redesign of the school website using JavaScript, CSS, and HTML, adding 5+ new features that improved readability and navigation for parents, students, and staff.
- Managed relational database management system in order to create and store standards on the backend so teachers were able to input grades in the frontend Web-Based system.
- Maintained updates of the domain through using a Google Administrator account in order to manage chrome devices, emails, and account permissions to support 40+ staff and 280+ students.