Rachana Angara

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🌐 https://rachana-angara-portfolio-drab.vercel.app/

Summary

Software engineer with a robust full stack background in React, Java, and REST APIs. Demonstrated ability to build scalable applications and enhance system performance while collaborating with cross-functional teams. Adept at both front-end and back-end development, committed to continuous learning and delivering innovative, high-quality solutions.

Education

Arizona State University   **Aug 2024 - May 2026**
Master of Science, Software Engineering

Cummins College of Engineering for Women   **Aug 2017 - May 2021**
Bachelor of Technology, Computer Engineering

Work Experience

Barclays Global Service Centre   **Aug 2021 - Aug 2024**
Software Engineer
- Developed scalable backend solutions using Spring Boot, RESTful APIs, and Microservices to enhance system efficiency by 50% and reduce response times by 40%, while collaborating with cross-functional teams.
- Designed dynamic UI components with React, Redux, and JavaScript that increased customer retention by 30% and conversions by 25%, working closely with product owners and UX designers to ensure seamless backend integration.
- Integrated SonarQube for static analysis, which improved code quality and boosted backend test coverage by 40% while reducing code smells by 35%, in cooperation with quality assurance teams.
- Applied advanced testing frameworks, including Cucumber, Gherkin, Jest, and Mockito, to reduce defects by 60% and enhance software reliability, ensuring robust unit testing processes.
- Implemented automated acceptance testing integrated with CI/CD pipelines, cutting deployment issues by 50% and accelerating release cycles.
- Mentored junior developers through detailed code reviews and training sessions, documenting API specifications with Swagger to streamline onboarding and reinforce effective cross-team collaboration.

Projects

VeriFace Security
- Designed and deployed a real-time facial recognition system for criminal identification utilizing machine learning algorithms (CNN, OpenCV), augmenting accuracy by 25% and minimizing false positives by 15%.

ArtTrack
- Constructed an art organization tool for museums and researchers, leveraging semantic web technologies to establish clear connections between artworks, artists, and styles.
- Collaborated with stakeholders to refine user experience, resulting in a 60% improvement in retrieval efficiency, a 45% reduction in research time, and a 90% increase in user satisfaction.

FinTrack WebApp
- Engineered a full-stack expense tracking app with secure authentication and financial management.
- Integrated CRUD functionalities for streamlined data management and crafted a dynamic user interface. Boosted financial tracking effectiveness by 40%, lowered data entry mistakes by 30%, and attained a 95% user satisfaction score.

Technical Skills

- **Programming & Development**: Java, Python, JavaScript, TypeScript, HTML, CSS, Flask, Node.js, Spring Boot, Django, Full Stack Development, Exposure to web application development, Fintech application development
- **Frameworks, Tools & Databases**: React.js, Bootstrap, Rest APIs, Microservices, SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Redis), Docker, Kubernetes, GitHub, GitLab, Azure, AWS, CI/CD, JavaScript frameworks
- **Software Engineering Fundamentals**: Object-Oriented Programming, Agile methodologies, Test-driven development, Data Structures and Algorithms, Algorithm analysis, JUnit, PyTest, Mockito, Selenium, Test Automation

Certification

- **Introduction to Back-End Development**: Issued by Meta | Skills Gained: Web development, front-end styling, full-stack workflow understanding, and UI/UX principles.
- **Version Control**: Issue by Meta | Skills Gained: Version control, command-line navigation, code revision management, and repository configuration.