Rachana Angara

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Work Experience

Barclays Global Service Centre   August 2021 – August 2024
Software Engineer   *Pune, Maharashtra, India*

- Championed integration of SonarQube for static analysis, empowering team with code quality best practices, leading to a 40% boost in backend test coverage and a 35% drop in code smells.Developed scalable backend solutions using Spring Boot, RESTful APIs, and Microservices, honing system efficiency by 50% and diminishing response times by 40%.
- Created dynamic interfaces with React, Redux, and JavaScript, increasing customer retention by 30% and conversions by 25%. Partnered with teams to analyze user behavior, refine designs, and ensure seamless backend integration.
- Performed automated acceptance testing, integrating with pipelines, cutting-down deployment issues by 50% and accelerating release cycles.
- Spearheaded integration of advanced testing frameworks (Cucumber, Gherkin, Jest, Mockito), driving a 60% reduction in defects and elevating software reliability. Collaborated with cross-functional teams to align testing strategies with project goals, fostering a culture of quality and innovation. Analyzed system performance metrics to identify areas for improvement, ensuring seamless integration with pipelines. Guided juniors through code reviews and training sessions, enhancing team cohesion and skill development, result - boosted overall productivity by 30%.
- Mentored junior developers through code reviews and training, improving team productivity by 30% and code quality by 25%, while spearheading API documentation with Swagger to streamline onboarding by 30% and intensifying cross-team collaboration.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript
Libraries and Frameworks: React.js, HTML, CSS, Flask, Node.js, Spring Boot, Spring, Spring MVC, Bootstrap, Django
DevOps and Databases: REST APIs, Docker, CI/CD, Git, MySQL, PostgreSQL
Cloud and Tools: Azure, Jenkins, Agile Methodology, Taiga, JIRA, Confluence, Figma
Testing: JUnit 5, PyTest, JaCoCo, Mockito, Test Automation
Concepts: Object-Oriented Programming, Agile methodologies, Test-driven development, Microservices, Data Structures and Algorithms

Projects

VeriFace Security | *Python, OpenCV, Machine Learning, Facial Recognition, NumPy, Pandas, Flask, Git*
- 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%.
- Deployed system across 50 police stations, enabling suspect identification in under 2 seconds and increasing case resolution rates by 30%.

ArtTrack | *React, Flask, Semantic Web (OWL, RDF, SPARQL), Python, JavaScript, HTML/CSS, Git.*
- 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 | *Spring Boot, MySQL, Spring Security, Thymeleaf, Bootstrap, RESTful APIs, CRUD operations*
- 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.

Education

Arizona State University   August 2024 – May 2026
Masters in Software Engineering (GPA: 3.33 / 4.00)   *Tempe, Arizona, United States*

Cummins College of Engineering for Women   August 2017 – May 2021
Bachelors in Computer Science (GPA: 7.27 / 10.00)   *Pune, Maharashtra, India*