Drishti Sharma

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About Me

Experienced software developer with a focus on delivering high-quality software solutions. Skilled in developing and automating test suites, conducting end-to-end testing, and ensuring high standards in code quality and performance. Adept at collaborative problem-solving, debugging, and using Agile methodologies to integrate seamlessly with cross-functional teams. Strong background in software testing best practices, DevOps tools, and CI/CD integration, with a commitment to quality and continuous improvement.

Experience

Queen's University

IT Analyst   *May 2023 - Apr 2024*
- **Developed a medical chatbot** using React, JavaScript, Flask and MongoDB and integrated multiple machine learning models which resulted in the publication of a paper in the International Conference on Digital Health (ICDH) 2024. Authored the paper titled "TriageBot and Assistive Triage Framework."
- **Led test planning and documentation,** working closely with healthcare and legal teams to establish and verify acceptance criteria, validating that features met strict quality and compliance standards.
- **Performed a comprehensive analysis of the MIMIC-III** clinical database, employing data cleaning, normalization, and statistical techniques to extract actionable insights from complex medical data. Utilized Python for data manipulation and applied advanced data visualization methods (Matplotlib, Seaborn) to effectively present findings.
- **Mentored students** in code reviews, debugging, and testing, contributing to a culture of quality and knowledge sharing.
- *Skills - React, Javascript, Flask, Python, MongoDB, Tensorflow, Github, Data Visualization, Machine Learning, Leadership, Team Collaboration, Mentorship, Problem Solving, Communication, Task Management, Testing*

Deloitte USI

IT Consultant   *Jun 2021 - Aug 2022*
- **Developed iOS applications with rigorous testing processes,** including automated testing using XCTest and XCUITest frameworks, which reduced post-release bugs by 50%.
- **Liaised with Product Managers** to identify minimum viable product requirements and clearly defined feature sets into well-scoped user stories for individual team members.
- **Designed and implemented comprehensive test cases** for chatbot functionality, including unit and integration tests to verify API response accuracy and UI behavior.
- **Conducted performance optimization and load testing** to improve app responsiveness, analyzing logs with tools like Splunk and Dynatrace for continuous monitoring and issue resolution.
- **Actively participated in code reviews,** giving and receiving feedback on test coverage and quality standards to ensure clean and maintainable code.
- *Skills: Swift, ObjectiveC, XCode, SQLite, UIKit, XCTest, XCUITest, JSON APIs, RESTful APIs, Agile, JIRA, Confluence, Github, Figma, Auto layout, Crashlytics, Splunk, Dynatrace, Cross-functional Collaboration, Stakeholder Management, Communication, Agile Methodology, Problem Solving, Performance Testing, CI/CD, Testing Automation*

HSBC Technologies

Software Developer   *Jul 2018 – May 2021*
- **Collaborated with cross-functional global teams** to successfully launch 3 frameworks and a specialized FX mobile app end-to-end in Singapore and Jersey, driving a 60% revenue increase in the "Wealth and Insurance" sector and earning 3 industry awards in Singapore across various categories.
- **Improved test coverage with unit and UI testing** using XCTest , achieving 80% coverage for critical application modules. Implemented analytics Tags and accessibility features such as voiceover gestures and screen reader throughout the application.
- **Proficient in key testing types**, including Functional Testing (Unit, Integration, Regression, Acceptance), Non-Functional Testing (Performance, Security), Manual Testing and Specialized Testing (UI, Mobile), with experience using tools like Selenium, TestNG, and JUnit.
- **Provided on-call production support** to handle crashes, using Crashlytics and Splunk for real-time monitoring, analysis, and reporting. Prioritized and resolved critical production bugs promptly, receiving a 'Pat on the Back' award for expertly managing and fixing a high-impact issue.

- **Worked on automating** the project setup process using a **shell script**. Setup time was reduced **from 2 hours to a few minutes.**
- **Hired and onboarded** new engineers, mentored them, and assisted with solving complex middleware technical issues.
- *Skills: Swift, ObjectiveC, XCode, MVVM, CLEAN, XCTest, XCUITest, JSON APIs, RESTful APIs, Agile, JIRA, Confluence, Facebook Snapshots, Accessibility, Github, CI/CD, Automation, Shell Scripting, Quality Assurance, Testing Frameworks Leadership, Team Collaboration, Mentorship, Stakeholder Engagement, Problem Solving, Adaptability*

Education

Master in Computing	2023 - 2024
Queen's University	*Kingston, Canada*
Bachelor of Technology in Computer Science	2014 - 2018
Banasthali University	*Rajasthan, India*

Technical Skills

Programming Languages: Swift, Java, Python, Javascript
Architectures: MVC, CLEAN, MVVM
Backend: Flask, Django
Development Environments: XCode,Visual Studio Code,
AWS Services: Lambda, S3, EC2, API Gateway
Database: MySQL, MongoDB
Project Management Tools: Atlassian JIRA, Confluence, Agile Methodology
Platforms: Splunk, Dynatrace, Crashlytics
Web: HTML5, CSS3, JavaScript, React
Testing Tools/Frameworks: SwiftLint, XCTest, XCUITest, FacebookSnapshot, Selenium
Others: RESTful APIs, JSON, Github, Jenkins, Figma, SonarQube

Certifications

- AWS certified Solution Architect Associate
- Diploma in ASP.Net, Banasthali Vidyapeeth

Other Experiences

- Led a team in HSBC's corporate Hackathon, developing an iBeacon project that ranked in the top 5% globally.
- Standard First Aid and CPR (A) training certification valid till 2025
- Volunteered as a Trek Lead and managed 60 school girls in a high altitude trek with India Hikes.
- Former Member of Pune Toastmasters Club - Toastmasters is an organization that prepares you for public speaking.
- Conducted a two-day workshop for 80 girls in the National Level Fest of Banasthali Vidyapeeth on "Game development using Unity3D", 2018
- Codechef Campus Chapter Representative in Banasthali Vidyapeeth, conducted lectures and workshops to train women in competitive coding. 2016 - 2018
- Participated in Model United Nations (MUN) at Banasthali Vidyapeeth, representing Sudan in discussions on the role of women in the military.