Mustapha Osama Saqr | Software Engineer | Microsoft Egypt – Clarity (Current)
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Summary:

- Software Engineer with hands-on experience at Microsoft, contributing primarily remotely to quality engineering across large-scale, native and cross-platform mobile systems. Transitioned into software development after 18 months of self-study. Fluent in English with strong communication, collaboration, and problem-solving skills.

Technical Skills:

- **Previously Learned:** Basics of computer architecture and networking, SQL & T-SQL, 3-tier backend architecture and applying authentication and authorization, RESTful APIs, SOLID principles, C++/C#, HTML5, CSS3, JavaScript, React.
- **Currently Used at Microsoft (Hands-on Experience):** Git flow with Azure Repos (PRs, reviews), Azure Pipelines (YAML-based), BrowserStack (sessions, logs), Appium Inspector, Android Studio emulators, CI/CD for app quality, strong debugging skills, ownership, cross-language exposure (Java, Python, TypeScript) while navigating and modifying test logic across multiple repos
- **Soft Skills:** Ownership & initiative, story design & execution, teamwork, remote collaboration, effective communication, English fluency (conversational with clear accent), presentation & demo skills, adaptability, analytical thinking.

Experience:

Microsoft – Software Engineer (Clarity SDK, Quality Team)
March 2025 – Present

- Integrated advanced network testing into Clarity SDK's CI/CD performance pipeline, including thresholding, delta calculation, and automated CI/CD reporting.
- Resolved complex cross-repository issues such as unsupported Android OS versions to ensure stable and graceful test behavior.
- Developed automated test paths for Android apps (Tasty, Aurora, Copilot) using Appium Inspector, BrowserStack, Emulators of Android Studio.
- Delivered a critical Copilot test path under tight deadlines handled complex login flows with web native context switching and was recognized by leadership for high-impact contributions.
- Fine-tuned thresholds for CPU, memory, network, trace logs, and slow frames to ensure reliability across test runs.
- Designed and presented a one-pager to propose a scalable solution for reducing noise in mobile performance tests by aggregating N-run metrics; demonstrated pre-implementation design and team communication skills.
- Pushed and reviewed code via Git/Azure Repos; regularly reviewed teammate PRs and provided feedback to maintain quality and velocity.
- Took ownership of complex CI/CD stories designed, implemented, and debugged multi-stage Azure quality pipelines.

Education: Bachelor's in Languages and Translation
Al Azhar University, Cairo, Egypt | Aug 2015 – Aug 2020