

QA Engineer

Company Information

- **Company:** CÔNG TY TNHH MOTOROLA SOLUTIONS VIETNAM R&D CENTER
- **Website:** https://www.motorolasolutions.com/en_us.html
- **Address:** L07.01, Tầng 07, Tháp A, Số 15, Đường Trần Bạch Đằng, Phường An Khánh, Thành phố Hồ Chí Minh, Việt Nam

Job Details

- **Employment Type:** Full-time
- **Work Model:** On-site

Job Description We are seeking a diligent and detail-oriented QA Engineer to join our R&D team. The successful candidate will be responsible for ensuring the quality and reliability of our model and core engines. You will play a key role in building testing infrastructure, benchmarking models, and defining complex data scenarios to predict how model performance impacts the final product.

Key Responsibilities

- **Test Automation Architecture:** Design, develop, and optimize scalable automated testing frameworks for core engines. Focus on streamlining model benchmarking, regression suites, and performance profiling.
- **Data Engineering for QA:** Architect comprehensive data strategies. Define and synthesize complex data contexts and edge-case scenarios required to stress-test ML model robustness.
- **End-to-End Risk Analysis:** Evaluate model outputs through a product lens. Predict systemic risks and quantify how model variance impacts the final user experience post-integration.
- **CI/CD Integration:** Seamlessly integrate automated validation gates into the CI/CD pipeline to ensure continuous quality delivery for cloud-connected and embedded components.
- **Cross-functional Collaboration:** Work closely with Data and Dev teams to triage defects, analyze root causes, and refine model training requirements based on QA insights.

Technical Requirements

- **Experience:** Minimum 3 years in Software Quality Engineering or Backend Development, with a focus on automation.
- **Education:** Bachelor's degree in Computer Science, Machine Engineering, or a related technical field.
- **Programming Mastery:** Proficient in Python (for automation & ML scripting) and C++ or JavaScript (for engine-level or web-integrated testing).
- **Domain Expertise:** Solid understanding of AI/ML lifecycles and Computer Vision fundamentals. Hands-on experience with cloud platforms (AWS, Azure, or GCP) and IoT/Robotics environments.
- **ML Analytics:** Ability to calculate and interpret core metrics (mAP, Precision/Recall, F1-score, etc.) to assess model performance beyond simple "pass/fail" results.
- **Toolchain:** Proficiency with Git, Jira, TestRail, and modern CI/CD tools (Jenkins, GitLab CI, or GitHub Actions).

Preferred Qualifications

- **Proactive Problem Solving:** Proven track record of architecting test frameworks from scratch.
- **Agile Proficiency:** Experience in Scrum/Agile environments with a focus on rapid iteration.
- **AI-Driven Productivity:** Experience leveraging LLMs or AI-based coding assistants to accelerate test script generation and data synthesis.
- **Communication:** Ability to translate complex technical risks into actionable insights for non-technical stakeholders.

Contact:

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