



Job Title: Automation Test Engineer - Internship

Location: Hybrid

Job Type: Full-Time

Job Description:

We are seeking a highly skilled Automation Test Engineer to join our team for the development and deployment of the CV Cricket Software. The successful candidate will be responsible for designing and implementing automated testing solutions to ensure the quality and reliability of the software. This includes creating test cases for various components such as real-time match analysis, player statistics, live streaming, and AI-driven features.

Key Responsibilities:

- Design, develop, and execute automated test scripts using tools like Selenium, Jest, Mocha, and other testing frameworks.
- Work closely with developers and product managers to define testing requirements and create comprehensive test plans.
- Test the functionality of APIs, databases, and user interfaces to ensure end-to-end integration and system reliability.
- Use Postman or similar tools for automated API testing to ensure proper communication between frontend and backend services.
- Implement and maintain continuous testing pipelines within Jenkins or GitLab CI/CD, ensuring seamless integration with the development process.
- Set up, maintain, and monitor automated testing environments using Docker and Kubernetes to ensure consistent test execution across different environments.
- Collaborate with the development team to identify and resolve defects early in the software development lifecycle.
- Test real-time streaming and low-latency communication features using tools like WebRTC and FFmpeg to ensure high performance and reliability.
- Write and execute unit tests and regression tests to verify individual features and entire application functionality.
- Perform cross-browser and cross-device testing to ensure the web application functions across different browsers and platforms.
- Collect and analyze test results using monitoring tools like Prometheus and Grafana to track performance metrics and detect issues.
- Document test results, issues, and test processes in collaboration with developers and stakeholders for transparent communication.
- Monitor performance, security, and availability using tools like AWS CloudWatch or Azure Monitor to ensure the application's high availability.

Required Skills & Qualifications:

- Bachelor's degree in computer science, Engineering, or a related field (or equivalent practical experience).
- 3+ years of experience in automation testing with a strong understanding of testing best practices and methodologies.
- Proficiency in automated testing tools such as Selenium, Jest, Mocha, and experience with writing test scripts in JavaScript.
- Experience with API testing using tools like Postman, REST Assured, or similar.
- Familiarity with CI/CD pipelines in Jenkins, GitLab CI, or similar tools for continuous integration and testing.
- Experience with Docker and Kubernetes for testing containerized applications.
- Strong knowledge of cross-browser testing, UI testing, and performance testing techniques.
- Ability to test video streaming and real-time applications using tools like FFmpeg and WebRTC.
- Experience with database testing in PostgreSQL/MySQL and optionally MongoDB.
- Familiarity with cloud-based testing environments, preferably AWS, Google Cloud, or Microsoft Azure.
- Experience with monitoring and alerting tools like Prometheus, Grafana, AWS CloudWatch, or Azure Monitor.

Nice-to-Have:

- Experience with infrastructure as code (IaC) tools like Terraform for managing test environments.
- Exposure to AI/ML testing, particularly in frameworks like TensorFlow and PyTorch.
- Knowledge of Natural Language Processing (NLP) testing for voice command recognition.
- Experience with test automation for live streaming integrations such as YouTube Live or Twitch.