

https://excelnearshore.com/job/ai-sdet/

AI Software Development Engineer in Test (SDET)

Hiring organization
Excel Nearshore

Employment Type
Full-time

Beginning of employment
ASAP

Duration of employment
Indefinite

Industry
MedTech

Job Location
Costa Rica
Remote work from: Costa Rica

Date posted
November 6, 2026

Description

Excel Nearshore is looking for an **AI Software Development Engineer in Test (SDET)** to guide and mentor internationally distributed teams of professionals with expertise in quality assurance, development, and project management. You will coordinate multiple testing projects in partnership with project managers and other stakeholders. You will design, document, execute, and automate tests that are critical to ensure the stability and proper functioning of a variety of products. This is a fully remote position from Costa Rica.

Responsibilities

- Guide and mentor internationally distributed teams of quality professionals, developers, and project managers.
- Coordinate multiple testing projects in partnership with project managers and other stakeholders.
- Design, document, execute, and automate tests to ensure the stability and proper functioning of various products.
- Leverage AI agents, autonomous test agents, and LLM-based tools to accelerate testing workflows, including test case generation, defect triage, and regression analysis.
- Apply prompt engineering techniques and tool-use patterns to build intelligent test harnesses that interact with APIs, UIs, and backend systems.
- Evaluate and adopt AI-powered testing platforms or frameworks (such as Applitools or custom LLM-based agents) to expand test coverage and reduce manual effort.
- Contribute to designing agentic testing pipelines integrated into CI/CD workflows to conduct exploratory testing, flag regressions, and report findings automatically.
- Contribute to the continuous improvement of Agile quality processes.

Qualifications

- 5+ years of software development experience in Agile quality organizations and/or project management.
- Strong coding proficiency in a modern development language.
- Experience delivering SaaS platforms, modern JavaScript applications, or other web-based products.
- Hands-on experience using AI agents (e.g., LLM-based tools, autonomous test agents) to enhance and accelerate software testing workflows, including test case generation, defect triage, and regression analysis.
- Familiarity with prompt engineering techniques and tool-use patterns for AI agents interacting with APIs, UIs, or backend systems.
- Experience evaluating and adopting AI-powered testing platforms or frameworks (such as Applitools or custom LLM-based agents) to improve test coverage and reduce manual testing effort.
- Experience contributing to agentic testing pipelines embedded in CI/CD workflows to perform exploratory testing, flag regressions, and report findings automatically.

- Solid understanding of test automation frameworks and CI/CD practices.
- Deep understanding of web browsers, servers, APIs, security, and performance.
- Proven experience mentoring engineers in Agile development teams.

Contacts

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