Automated Testing

Modern Test Design and Architecture
Across the Development Lifecycle

The rise in automation, more broadly, has paved the way for increased capabilities and time savings for developers and tech professionals — but especially when it comes to testing. Not only are there more and more conversations around how to transition tests to an automated cadence, but there is also a deeper push toward better integrating automated tests throughout the SDLC using artificial intelligence (AI) and low-code platforms. Each technology has an important role to play in implementing tests for development and testing teams, spreading wider test coverage throughout the development lifecycle and eliminating time spent on redundant tasks. It's a win-win-win.

In DZone's **Automated Testing Trend Report**, we assess current trends related to automated testing, covering everything from architecture and test-driven development to observed benefits of AI and low-code solutions. The question is no longer should we automate tests; the question is how to better automate tests and integrate throughout CI/CD pipelines to ensure high degrees of test coverage. We plan to fill in these gaps with original research on the latest industry trends and practices today.

Expert Insights

The Automated Testing Trend Report will cover topics such as:

- Guide to Test Design + Architecture
- Test Automation Checklist
- Low Code for Automated Testing
- Selecting the Right Automated Tests
- Why Automated Testing is Essential to CI/CD
- Intelligent Test Automation
- Automated Testing Lifecycle
- The Convergence of Testing and Observability

Developer Survey

The research component of this report will explore key trends and adoption techniques for automated testing. Topics can include:
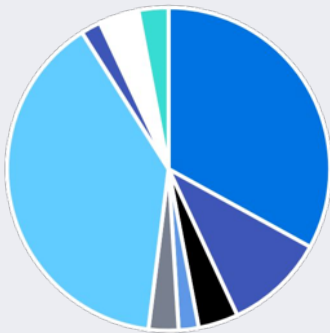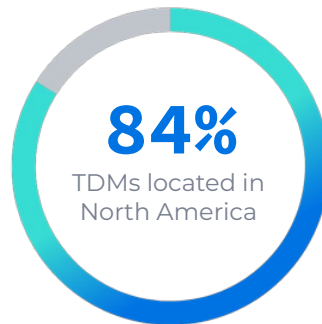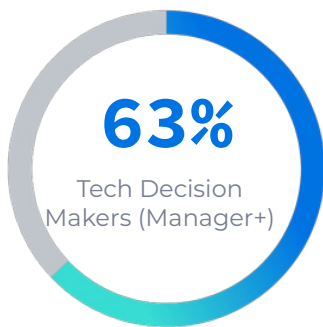
- Automated testing trends + adoption
- Assessment of common test types
- Test design + architecture
- Low and no code for testing
- CI/CD + DevOps workflows
- Intersection of AI/ML
- Observability for automated testing

223K+
Average Monthly Visitors with intent for Automated Testing

462K+
Average Monthly Page Views with intent for Automated Testing

63%
Tech Decision Makers (Manager+)

84%
TDMs located in North America

66%
Employed at Companies with $100M+ Revenue

Downloader Job Roles

- **32%** Architect, Software Developer
- **5%** Development Manager, Lead Developer
- **6%** Executive Manager, VP, CTO, CIO
- **2%** Marketing, Sales, Communication
- **3%** President, CEO, Owner

- **37%** Programmer, Developer
- **10%** QA, Testing, Compliance
- **4%** System Admin, DBA
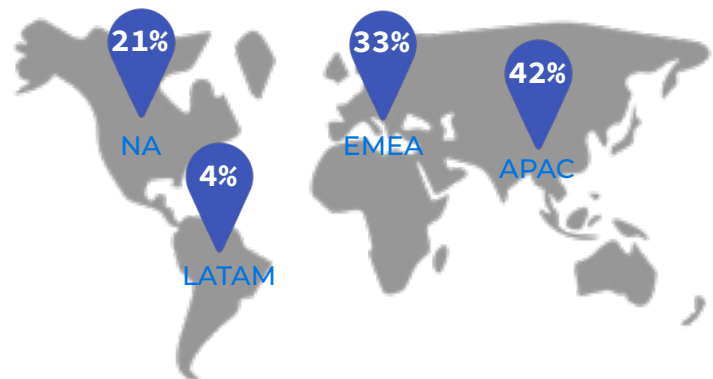- **1%** Web Designer, Graphic Designer

Business domains with intent for Automated Testing are

7.2x
more likely to visit DZone.

94K+
Businesses with intent for Automated Testing are visiting DZone.

21% NA
4% LATAM
33% EMEA
42% APAC

Source: DZone Audience Insights, Bombora Last 90 Days, July 13, 2023; DZone Publications Downloads, 2022

DZone.

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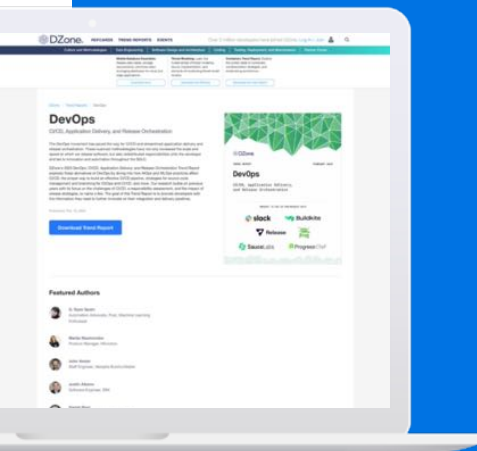
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- Prominent and relevant onsite promotional placements and front-page features
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