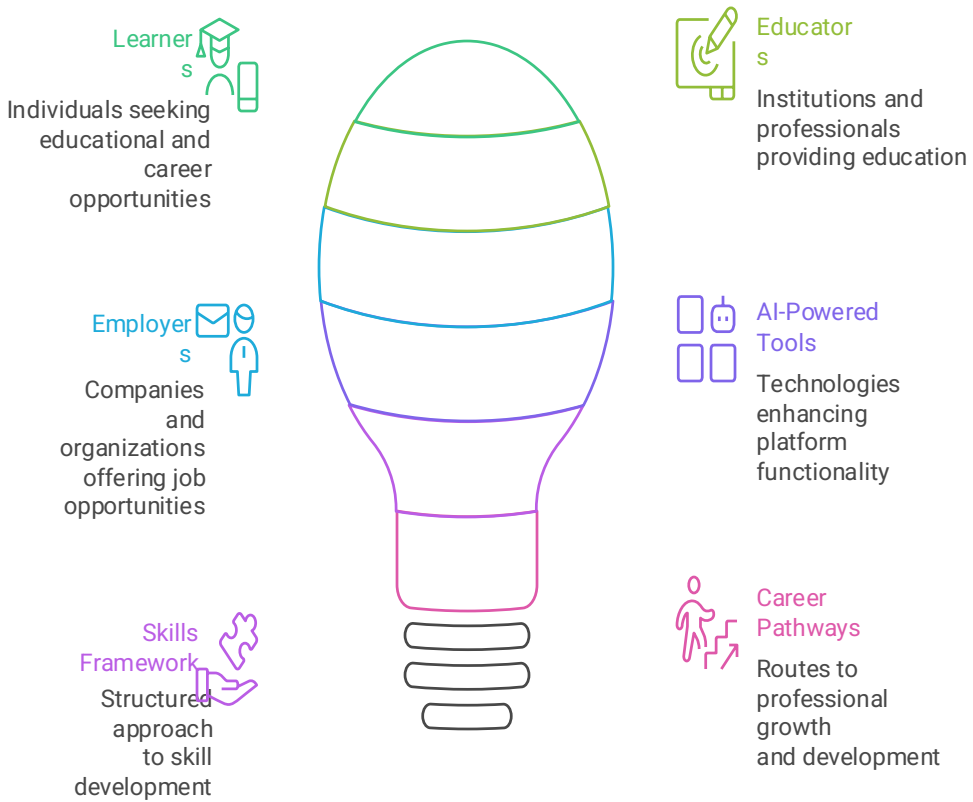
Accionlabs

AI Journey

Aug 25th 2025

GoEducate Overview

- GoEducate is an education technology company based in Austin, Texas, offering an integrated education-to-employment platform that connects learners, educators, and employers through AI-powered tools and a shared skills framework.
- GoEducate is a free and open marketplace with built-in, AI-powered career development tools that connect all learners and job seekers to career pathways, in-demand skills, and workforce opportunities.
- The company connects education programs, job postings including internships and apprenticeships, and student profiles to help communities address labor market inefficiencies and shortages.
- A single platform to connect:
  - Colleges
  - Students
  - Employers



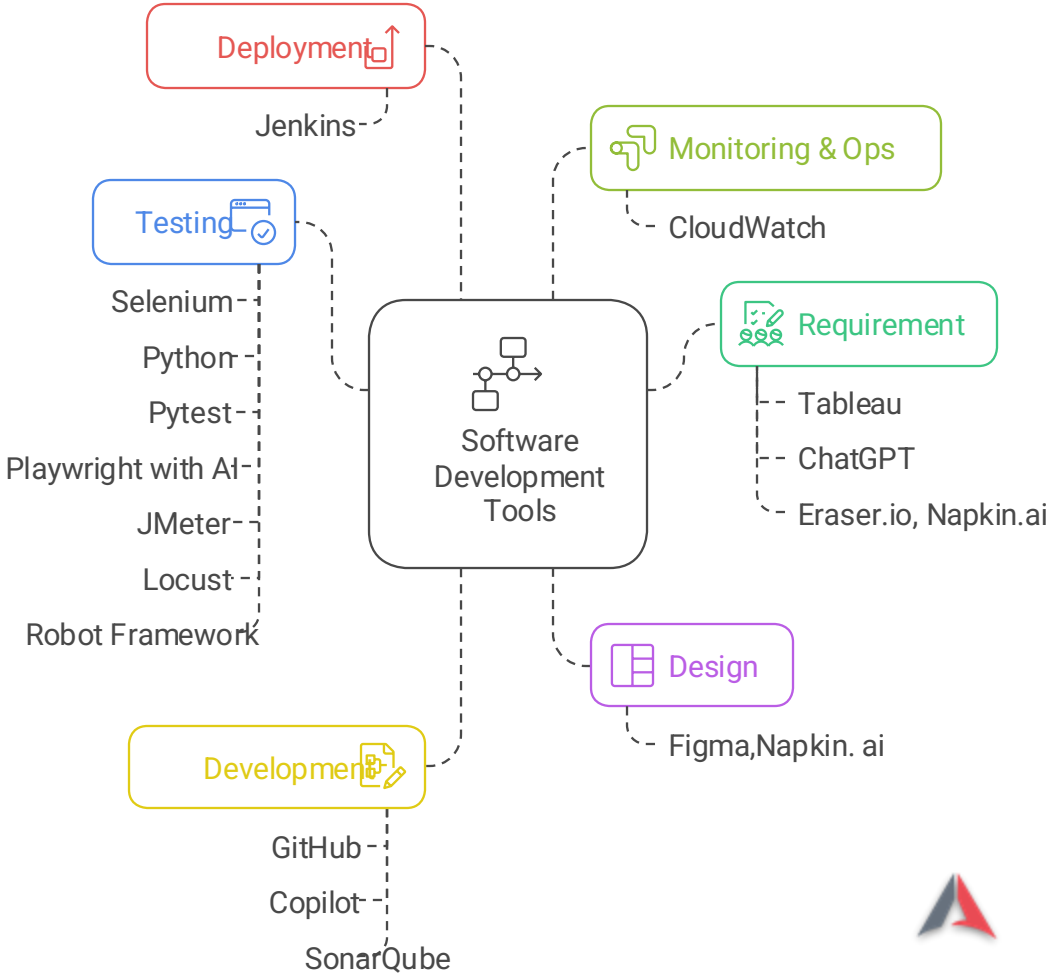
GoEducate Software Development Tools and Methodologies.

Tools leveraged across phases:

- **Requirement Gathering:** Tableau, ChatGPT (for acceptance criteria), Eraser.io, Napkin.ai
- **Design:** Figma, Napkin.ai
- **Development:** GitHub, Copilot, SonarQube
- **Testing:** Selenium, Python, Pytest, Playwright, JMeter, Locust, Robot Framework
- **Deployment:** Jenkins
- **Monitoring & Operations:** CloudWatch

Operational Models in Practice:

- **Development:** Agile Scrum with 2-week sprints and all Agile ceremonies
- **Quality Assurance:** Agile Testing Model with iterative testing within sprints
- **DevOps:** Jenkins CI/CD pipeline integrated with Pull Request (PR) process



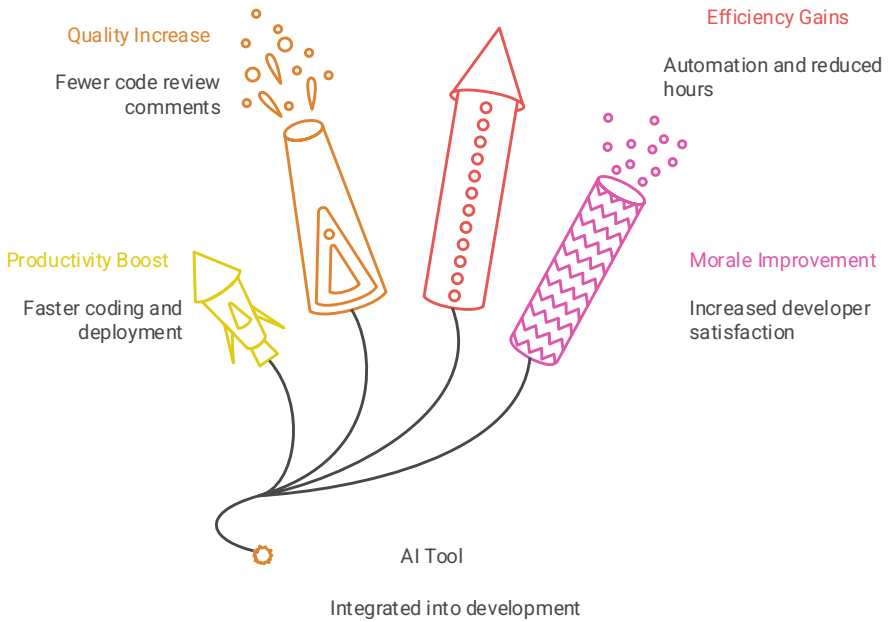
Performance Metrics with AI Tools

- **Coding Speed - Story points completed per sprint:** Increased from 50 to 60, showing a **20% improvement** in productivity.
- **Code Quality - Code review comments per PR:** Decreased from 10 to 6, indicating a **40% reduction** in the need for revisions, suggesting higher initial code quality.
- **Code Quality - Defects per KLOC:** Dropped significantly from 10 to 5, a **50% decrease**, which is excellent for software reliability.
- **Testing Efficiency - Test cases automated per sprint:** Rose from 5 to 8, a **60% increase**, pointing to more robust and efficient testing practices.
- **No of Prod Deployments - Production Deployments per Month:** Increased from 2 to 3, representing a **50% increase** in deployment frequency. This suggests faster delivery cycles.
- **Dev hours per feature:** Reduced from 6.5 to 4.5, an approximate **30.8% decrease**, highlighting significant efficiency gains and potential cost savings.
- **Team Satisfaction - Developer satisfaction score (survey) out of 10:** Increased from 7 to 9, a positive shift of **2 points**. This is a strong indicator of improved morale and acceptance of the tool.
- **Proof of Concept time:** Halved from 10 to 5, a **50% acceleration**, meaning faster validation of new ideas and projects.

Metric	Previous	Current	Change
Coding Speed	50	60	20% Increase
Code Review Comments	10	6	40% Decrease
Defects per KLOC	10	5	50% Decrease
Test Cases Automated	5	8	60% Increase
Production Deployments	2	3	50% Increase
Dev Hours per Feature	6.5	4.5	30.8% Decrease
Developer Satisfaction	7	9	2 Points Increase
Proof of Concept Time	10	5	50% Decrease

AI Tool Improves Developer Satisfaction

- **Productivity and Speed:** Coding speed, production deployments, and PoC time have all seen substantial positive changes.
- **Quality:** Both code review comments and defects per KLOC have decreased, indicating a clear uplift in code quality.
- **Efficiency:** Testing automation and development hours per feature show the tool is making processes more efficient.
- **Team Morale:** Crucially, developer satisfaction has now **increased**, which is a fantastic outcome and suggests the team is embracing the tool and finding value in it. This is a significant positive change compared to the previous data where satisfaction had slightly declined.



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Thank you !