

Ai Code Tools for Legacy System Modernization

Modernizing legacy systems with AI tools

- 1 Start with small pilot modules of 1000-5000 lines of code.
- 2 Measure defect rates before scaling AI-assisted migration across systems.
- 3 Use AI tools to map data flows and detect dead code.
- 4 Run AI-driven dependency mapping to find critical integration points.
- 5 Select appropriate tool: IBM watsonx for COBOL, OpenRewrite for Java.
- 6 Assign one senior developer per 50,000 lines for validation work.
- 7 Plan for hybrid workflows; expect last 15% needs manual review.
- 8 Use refactoring tools like CAST to identify and eliminate technical debt.
- 9 Measure ROI by tracking OPEX savings and defect reduction rates.
- 10 Scan code for cloud readiness before beginning migration project.
- 11 Document all unknown dependencies and undocumented logic discovered by AI.
- 12 Allocate budget for three months of expert engineer review post-migration.