Cloud Contraptions
TRAINING & CONSULTING

To discuss this course and customizations:
Call: 434-509-5680 or Email: sales@cloudcontraptions.com

Responsible AI for Engineering Leaders

Class Duration

7 hours of live training delivered over 1-2 days to accommodate your scheduling needs.

Student Prerequisites

- Engineering management or technical leadership experience
- No prior AI/ML background required

Target Audience

Engineering managers, tech leads, architects, and VPs of Engineering responsible for setting AI tool policy for their teams. Equally relevant for legal and compliance stakeholders who need to understand the technical reality behind AI-generated code, and for learning and development leaders designing responsible AI upskilling programs.

Description

This course equips engineering leaders with the knowledge and frameworks to govern AI-assisted development responsibly. We cover the legal landscape for AI-generated code (copyright, IP ownership, and open-source license contamination), data privacy and confidentiality risks, procurement evaluation criteria, team policy design (acceptable use, review requirements, prompt libraries), honest productivity measurement, and organizational change management for AI tool rollouts. The course is heavier on policy templates and decision frameworks than on code labs.

Learning Outcomes

- Explain the current legal landscape for copyright and IP ownership of AI-generated code.
- Identify open-source license contamination risks and the tooling available to mitigate them.
- Evaluate AI tool vendor contracts for data retention, training use, and confidentiality provisions.
- Draft a team acceptable-use policy for AI coding assistants.

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- Design a prompt library governance process for standardizing team AI usage.
- Define honest productivity metrics for AI-assisted development programs.
- Build a phased rollout plan for AI tool adoption with appropriate checkpoints.

Training Materials

Comprehensive courseware is distributed online at the start of class. All students receive a downloadable MP4 recording of the training. Policy template library included.

Software Requirements

No special software required. Labs use policy templates and decision-framework worksheets.

Training Topics

The Current AI Tool Landscape for Leaders

- Which tools teams are using and why it matters for policy
- Autonomy spectrum: assistants to fully autonomous agents
- Risk profile changes by autonomy level

IP, Copyright, and Licensing

- Copyright status of AI-generated code: current legal landscape
- Open-source license contamination risk (copyleft, permissive)
- Vendor policies: GitHub Copilot, Cursor, Anthropic, OpenAI
- Tooling for license scanning AI-generated output

Data Privacy and Confidentiality

- What data each tool transmits to vendor servers
- Training data use clauses in vendor agreements
- Enterprise and business tier data protections
- Handling regulated data (HIPAA, PCI, GDPR) with AI tools

Procurement Evaluation

- Due diligence checklist for AI tool vendors
- Security review criteria: SOC 2, penetration test history

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- Data processing agreements and DPA requirements
- Multi-tool vs. standardization strategy

Team Policy Design

- Acceptable use policy framework and template
- Review requirements for AI-generated code
- Prompt library governance: creation, approval, versioning
- CLAUDE.md / `.instructions.md` team standards
- Escalation path for policy edge cases

Productivity Measurement

- Why simple “lines of code” metrics mislead
- Leading indicators: cycle time, review iteration count
- Lagging indicators: defect rate, time-to-production
- Developer experience surveys and NPS for AI tools
- Communicating results to executives and boards

Change Management and Rollout

- Phased adoption: pilot → broad rollout → optimization
- Identifying and enabling AI champions on the team
- Addressing developer resistance and concerns
- Training and onboarding requirements

Governance Frameworks

- NIST AI RMF for engineering organizations
- EU AI Act applicability to developer tooling
- Building an AI governance committee
- Incident response when AI tooling causes a production issue

Workshop

- Draft an acceptable-use policy for participant’s organization
- Productivity measurement plan exercise
- Q&A session