



## CodeTale

Turn any GitHub repo  
into an engaging  
presentation

"From Code to Story in Seconds"



BUILT AT {TECH: EUROPE} PARIS

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## Developer documentation is broken

**28.7M**

Developers worldwide

Growing market of technical creators

**65%**

Frustrated by docs

Documentation is their #1 pain point

**3-5**

Hours per week

Average time spent reading documentation

## Blue ocean opportunity

**GitHub repositories = untapped goldmine.** 180M+ developers on GitHub (2025), 630M+ repositories, 1.12B contributions annually. Yet video documentation adoption remains under 1%. Traditional tools focus on code generation and debugging—nobody is transforming repos into cinematic presentations. This is a greenfield market with zero direct competitors.

**The market gap is massive:** 80% of developers prefer video content, but only 0.1% of repositories have video documentation. The \$653B video creation tool market (2024) and \$29.5B AI code tools market (2025) are exploding—but nobody is connecting repositories to storytelling. CodeTale bridges this gap.

**Why now?** AI models (GPT-5.2), voice synthesis (Gradium), and generative media (fal.ai) have reached production quality. The infrastructure exists. The demand is proven. The market is wide open.

# AI-powered code storytelling

01

## Analyzes your repository

Deep understanding of code structure, documentation, and architecture patterns

02

## Generates intelligent narrative

GPT-5.2 creates compelling story arcs that explain technical concepts clearly

03

## Creates beautiful slides

AI-generated visuals that illustrate complex ideas with stunning imagery

04

## Adds natural voice

Human-like narration with proper technical pronunciation and pacing

05

## Delivers instantly

Shareable presentation URL ready in minutes, not hours

**Key Innovation:** This isn't just "AI makes slides" - it's a complete multi-modal pipeline. [Code → Understanding → Story → Visuals → Voice → Presentation](#)

**Time Saved:** From 3 hours of manual work to 3 minutes of automated magic.



# Standing on the shoulders of giants

CodeTale integrates 7 cutting-edge AI technologies (hackathon requires min. 3)

## Infrastructure & Development

-  **Lovable** - Full-stack platform (frontend, backend, database, deployment)
-  **OpenAI** - GPT-5.2 Pro for slide generation & deep repo analysis

## Media Generation

-  **fal.ai** - flux/dev for minimalist slide illustrations
-  **Gradium** - Multilingual TTS narration (EN, FR, DE)

## Advanced Integration

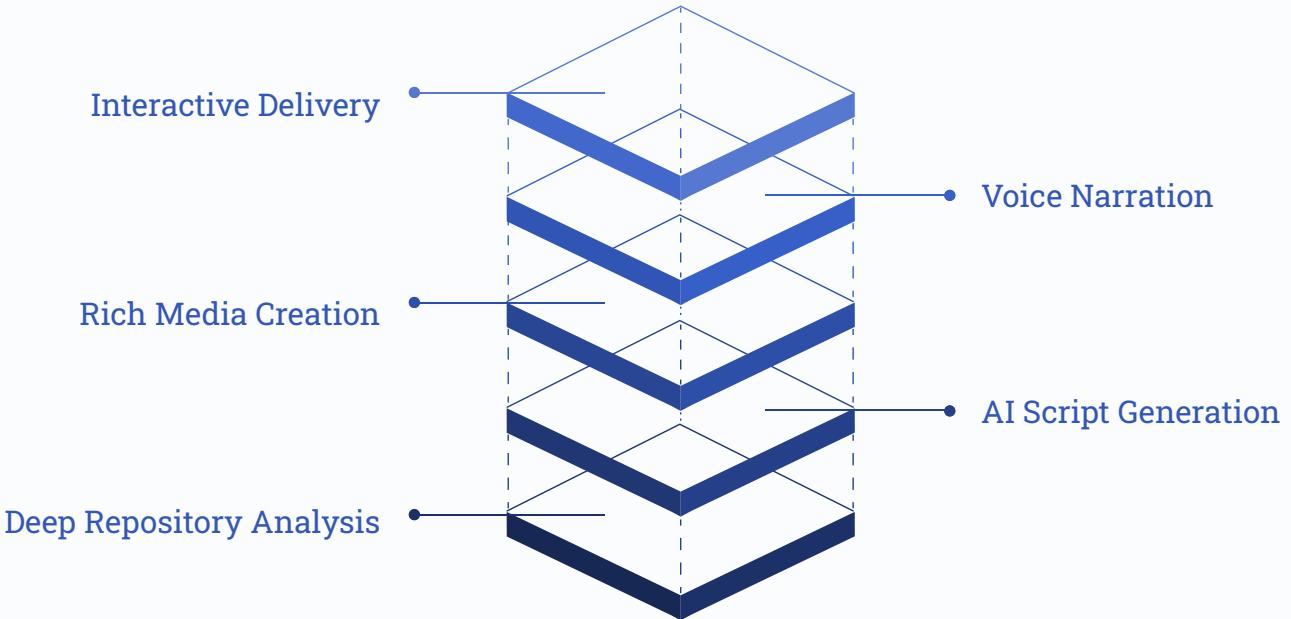
-  **Alpic Skybridge** - ChatGPT App via MCP
-  **Dify** - Multi-agent orchestration (in progress)
-  **Dust** - Private multi-repo analysis (exploring)

 **Why This Matters:** CodeTale showcases what's possible when you combine these powerful tools into a cohesive experience.

 **Refined Git Analysis Engine:**

- DeepWiki integration for AI-analyzed documentation
- Smart file prioritization (6-tier system)
- Adaptive budgeting based on repo size
- Image discovery & classification from README

# Under the hood: multi-modal AI pipeline



Our architecture processes repositories through five sophisticated stages, each leveraging cutting-edge AI capabilities.

**Key Innovation:** Smart media hierarchy prioritizes technical content (diagrams, code, charts) over AI-generated illustrations. Every presentation includes mandatory code animations and UML diagrams.

## Step 1: Deep Repository Analysis

- GitHub API + DeepWiki integration
- 6-tier file prioritization system
- Image discovery & classification
- Adaptive file budgeting (30/100 file thresholds)

## Step 2: AI Script Generation

- GPT-5.2 Pro (primary)
- 3-level provider cascade with auto-failover
- Lovable AI Gateway fallback
- GPT-4o-mini as final fallback

## Step 3: Rich Media Creation

- Mermaid UML diagrams (mandatory)
- Code animations (mandatory on every presentation)
- Data structure visualizations
- fal.ai illustrations (only when no rich viz exists)

## Step 4: Voice Narration

- Gradium TTS in 3 languages
- Cinema mode continuous audio
- Per-slide audio in Slide mode

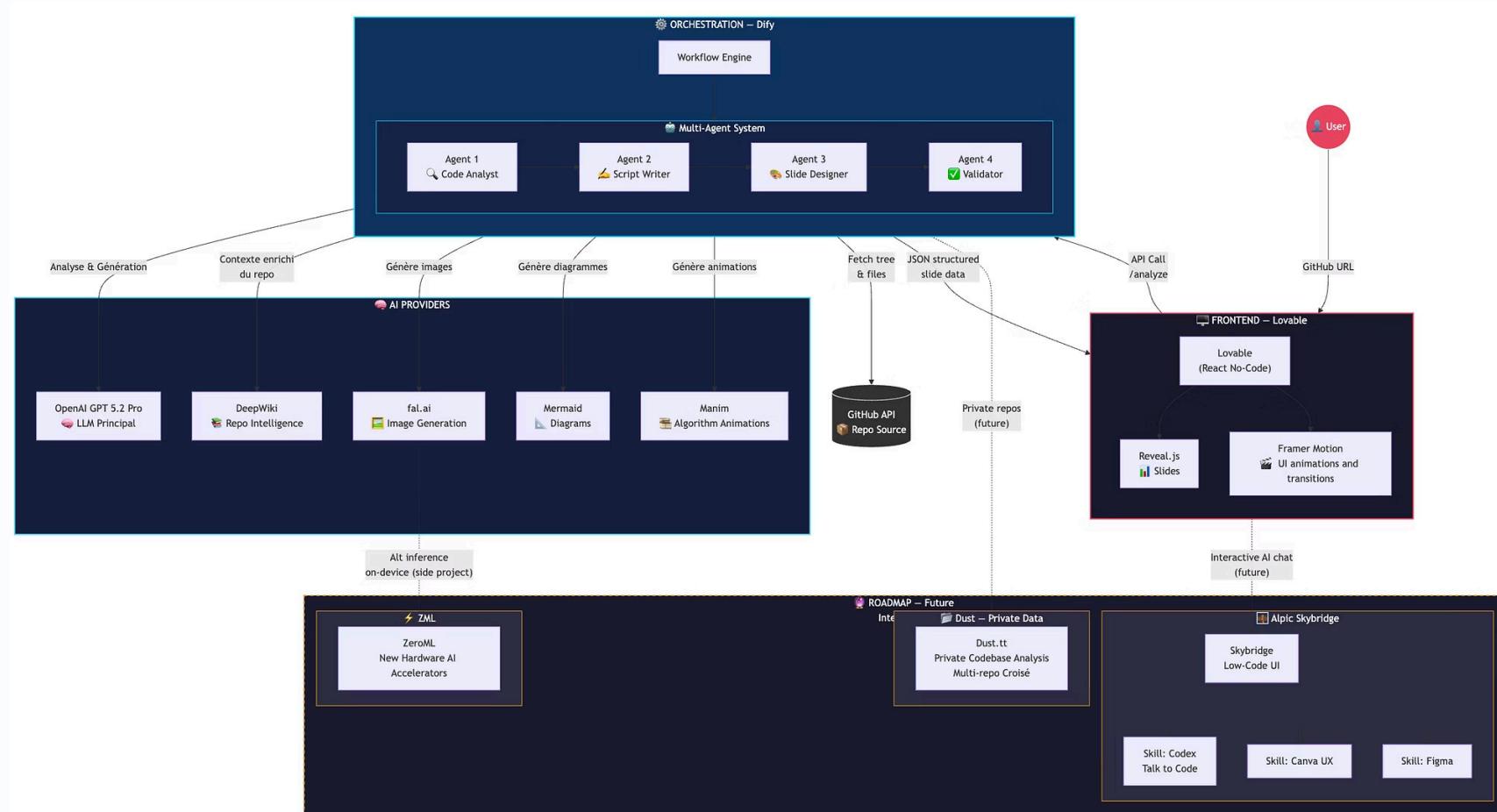
## Step 5: Interactive Delivery

- Cinema mode (autoplay + narration)
- Slides mode (manual navigation)
- Analysis tab (technical dashboard)
- ChatGPT App integration via Alpic Skybridge

## ⚡ Performance

**Total time: Under 3 minutes.** Parallel API calls, streaming responses, zero user configuration required.

# Architecture



# What makes CodeTale special



## ⚡ Instant generation

From GitHub URL to cinematic presentation in minutes. 3-level AI cascade ensures zero downtime.



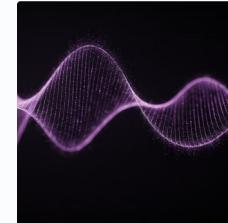
## 🔍 Deep analysis

6-tier file prioritization + DeepWiki integration. Discovers architecture diagrams and screenshots from your README automatically.



## 📊 Rich visualizations

Mandatory UML diagrams and code animations on every presentation. Data structures, charts, and algorithm steppers.



## 🎙 Multilingual narration

Gradium TTS in English, French, and German. Cinema mode with continuous voiceover or per-slide audio.



## 💬 ChatGPT integration

Analyze repos, compare projects, generate pitch decks directly inside ChatGPT via Alpic Skybridge MCP.



## 🎬 Three viewing modes

Cinema (autoplay + narration), Slides (manual), Analysis (technical dashboard). Export standalone HTML.

**Competitive Edge:** 10x faster than manual creation. Better engagement than text-only README. More accessible than traditional code review.

**Smart media hierarchy:** Technical content (diagrams, code, data) always takes priority over AI illustrations.



## Who is this for?

### 🏆 Hackathon participants

- Quick project demos for judges
- Professional pitch in minutes
- Showcase technical depth visually
- *Real example: This deck made itself!*

### 💻 Open source maintainers

- Attract contributors with compelling demos
- Explain complex projects simply
- Increase GitHub stars and engagement
- 100M+ repositories = massive TAM

### 🏢 Development teams

- Code review presentations made easy
- Onboarding new engineers efficiently
- Technical documentation people actually watch

### 🎓 Educators & bootcamps

- Teach programming concepts visually
- Explain algorithms with narratives
- Create course materials 10x faster

**Real Impact:** This hackathon alone has 100+ teams. If just 30% try CodeTale, that's 30 users THIS WEEKEND. The open source ecosystem represents 100M+ potential presentations.

# See it in action: legendary repos



## Apollo 11 guidance computer

The code that took humanity to the moon. AGC architecture diagrams, mission-critical code walkthrough with line-by-line animations.



## Sorting algorithms visualized

[github.com/diptangsu/Sorting-Algorithms](https://github.com/diptangsu/Sorting-Algorithms) - Bubble, merge, quick sort with animated data structure visualizations. Big O complexity charts.



## MS-DOS source code

INT 21h interrupt handler animations, system architecture UML diagrams. The OS that started personal computing, explained cinematically.

**Quick-try gallery:** 11 pre-configured repos featuring sponsor projects (Lovable, fal.ai, Gradium, Alpic Skybridge), legendary code (Apollo 11, MS-DOS), educational content (sorting algorithms), and modern open source favorites.

**New:** Every presentation includes mandatory code animations and UML diagrams. Watch the Alpic Skybridge demo video to see the ChatGPT App in action.

# Partner showcase: live demos

Each partner technology has its own CodeTale-generated presentation analyzing their repository. See how CodeTale transforms real-world projects into cinematic stories.

## Alpic Skybridge

CodeTale analyzes Alpic Skybridge's MCP framework. See how ChatGPT App architecture, skills system, and deployment are presented with UML diagrams and code animations.

## Gradium

CodeTale analyzes Gradium's voice AI repository. Experience how TTS technology, multilingual support, and audio processing are visualized cinematically.

## OpenAI Cookbook

CodeTale analyzes OpenAI Cookbook repository. Watch how GPT examples, best practices, and API integration patterns are transformed into engaging narratives.

## Dify

CodeTale analyzes Dify's open-source platform. Discover how multi-agent orchestration, workflow engines, and LLM operations are explained with technical diagrams.

## Dust

CodeTale analyzes Dust's enterprise AI platform. See how private multi-repo analysis and AI agent systems are presented with architecture visualizations.

## fal.ai JS Client

CodeTale analyzes fal.ai's JavaScript client library. Watch how generative media APIs, model serving, and SDK architecture are explained step-by-step.

## ZeroML

CodeTale analyzes ZeroML's high-performance inference framework. Experience how AI accelerators, optimization techniques, and hardware integration are visualized.

**Live at the event:** Try CodeTale with any of these partner repos or your own projects. Each demo includes mandatory code animations, UML diagrams, and multilingual narration.

# Built to win

## Competition requirements

-  2-minute video demo (Loom)
-  Public GitHub repository
-  Comprehensive README with setup instructions
-  Uses min. 3 partner technologies
-  Built newly at this hackathon (boilerplates allowed)
-  Team of max. 5 people
-  Submitted by 14:00 Sunday

## Judging criteria

### Stage 1: Pre-selection

- Creativity
- Technical complexity
- Bonus points for effective use of partner technologies

### Stage 2: Finalist stage

- 5 finalists (4 Open Track + 1 Alpic Track)
- 5-minute live presentations
- Top 3 winners selected by jury

 **The Ultimate Meta-Moment:** This pitch deck explaining CodeTale was generated BY CodeTale itself. We're not just talking about it - we're proving it works.

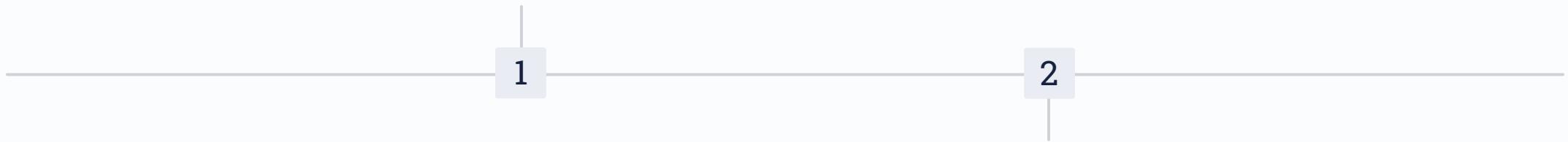
# From hackathon to product



## Phase 1: Hackathon weekend

Feb 8-9, 2026

- Build MVP
- Submit by 14:00 Sunday
- Finalist pitches at 15:15
- Award ceremony at 16:30



## Phase 2: Post-hackathon

Beyond the Event

- Refine based on feedback
- Expand feature set
- Build community
- Scale to production

# Your turn to tell your story

## Get started (30 seconds)

1. Go to [codetale.app](https://codetale.app)
2. Paste any GitHub URL
3. Hit Generate
4. Share your masterpiece

## Try these legendary repos

-  **Apollo 11** - Moon landing code
-  **MS-DOS** - PC revolution OS
-  **Algorithms** - CS fundamentals

## Hackathon special

-  Unlimited presentations (free during event)
-  All features unlocked for participants
-  Priority support at NeonNoir booth

## The meta-moment

This pitch deck was generated by CodeTale itself.

We used our own tool to pitch our tool. That's how confident we are it works.

 **Share Your Creation:** #CodeTale #TechEurope #AIHackathon

## Built at {Tech: Europe} Paris

 **Powered by:** Lovable, fal.ai, Gradium, OpenAI

# Thank you

# Let's Turn Code Into Stories Together

CodeTale represents what's possible when we combine cutting-edge AI technologies with a deep understanding of developer needs. Built in 48 hours at {Tech: Europe} Paris AI Hackathon, this tool solves a problem every developer faces: how to share their work compellingly.



Visit us



Star our repo

Open source & evolving



Join Discord

@techeurope server



Follow updates

- Special Thanks:** Lovable, fal.ai, Gradium, OpenAI, Alpic Skybridge, Dify, ZeroML, Dust - and the entire {Tech: Europe} organizing team for creating this incredible hackathon experience.

*Remember: Every great project deserves a great story. Let CodeTale tell yours.*