

Milestone Deliverable Review Report

Deep Funding Round: 1

Project code:

Project title: Chimera: Evolving Software

Milestone number: 2

Milestone deliverable:

https://docs.google.com/document/d/1gobzyB4qySuwHqoPrhp-A5wUKilgo9aWlu_dcHDzsgY/edit?usp=sharing

Date: 24/09/2025

Status: Accepted

Feedback (Why accepted, why rejected?):

The milestone delivers a working FastAPI PoC that detects and classifies failures (memory, CPU, connection pool, and request handling), applies pattern-based healing (e.g., generator-style memory fixes, algorithmic/caching CPU optimizations, pooled/batched connections, resilient async handlers with retries/circuit breaking), and reports effectiveness via side-by-side comparisons and metrics (e.g., reduced memory/CPU usage, connection count, and error rate), with a referenced demo dashboard and README for reproducibility—meeting all stated deliverables for a PoC at this stage.

If rejected, suggested changes: