

CodeInsightAI



AI Powered Reverse and
Forward Engineering Solution



Reverse Engineering

Generate Semantic Business
Requirements and Technical
Specifications

Proprietary Code Traversal
powered by comprehensive
Prompt Libraries

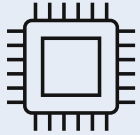


Forward Engineering

System Architecture Blueprint
with embedded design patterns
powered by Agentic AI

Full-Stack code with API
Integrations across diverse
languages and Frameworks

Key Features



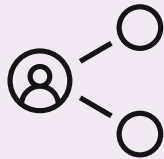
**Multi-layered
agentic Review**



**Multi Language
Support**



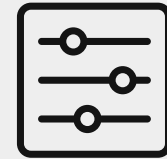
**High Fidelity Code
Coverage**



**Integration with
LCNC platforms**



**Comprehensive
Prompt Library**



**Cloud & LLM
Agnostic**

Welcome Lily !

[Home](#)[Library Management](#)[Instance Configuration](#)[Projects](#) Lily Adams ▾

CodeInsightAI - Create a Customer

Input Customer Details to get started



Welcome to CodeInsightAI !

[Setup Customer Instance](#)



All Projects

[Home](#)
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[Instance Configuration](#)
[Projects](#)
 Lily Adams ▾
[Add New Project](#)


Property and Casualty Management

Focus on First notice of loss (FNOL) claims, ensuring efficient claims adjudication

Project Status: Not in Progress

CodeInsightAI - Create a Project

Input Project Details & Source Code to get started




Setup Core Application

Setup your core Application Codebase for COBOL to JAVA


Application Name *

Description *

Upload Application Codebase *



Property and Casualty Management.zip
5.3MB



Primary Tech Stack *

 ▾

Starting Core File Path

[Save Core Application](#)
[Generate Embedding](#)



Reverse Engineering

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SME Review Pending

Business Requirement Document

Select Iteration

CIA -0.1 ▾

[Run Iteration](#)[View Document](#)

Not Sent for SME Review

Technical Specification Document

Select Iteration

CIA -0.1 ▾

[Run Iteration](#)[View Document](#)

Not Sent for SME Review

Data Dictionary

Select Iteration

CIA -0.1 ▾













[Run Iteration](#)[View Document](#)

CodeInsightAI – Reverse Engineering

Generate the required documentation

Forward Engineering

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File Name	SME Approval Status	Select Iteration	Actions	
System Design	Not Sent	CIA -0.1		 Run Iteration Send for Review
Java Backend Code	Not sent	CIA -0.1		 Run Iteration Send for Review
React Front Code	Not sent	CIA -0.1		 Run Iteration Send for Review
JUnit Tests	Not Sent	CIA -0.1		 Run Iteration Send for Review
React Unit Tests	Not sent	CIA -0.1		 Run Iteration Send for Review
SQL Scripts	Not sent	CIA -0.1		 Run Iteration Send for Review

CodeInsightAI – Forward Engineering

Generate Full-Stack code with test cases

Delivering Intelligent Modernization at Scale

AI-led Reverse &
Forward Engineering
with Developer Control



Human in the
Loop Workflow

Multimodal AI
Assistant



Governance
Ready

Scalable,
Repeatable
Framework



Accelerated Time-to-Value



**Smarter Teams,
Lower Costs**



**Enterprise-Ready
Modernization**