

HCLTech Code Mentor

Revolutionizing developer
efficiency and collaboration

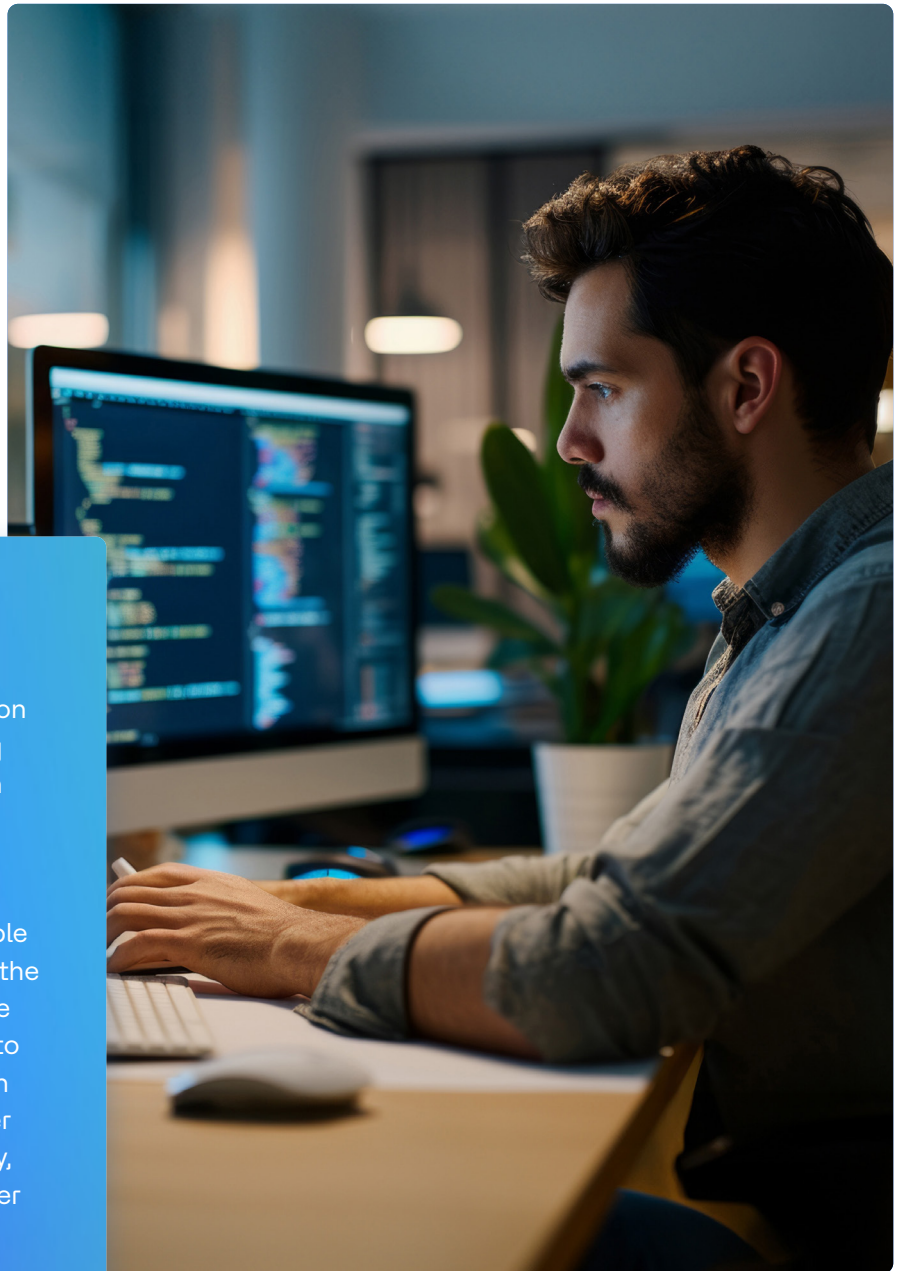


Introduction

Developers working with large code bases often face difficulties in navigating and understanding complex repositories. The absence of clear comments or explanations within the code further complicates the process. Weak collaboration among developers and inefficient onboarding for new team members only adds to these challenges, slowing down productivity and compromising delivery timelines.

Overview

HCLTech Code Assist is a tailored solution that enhances productivity by providing developers with real-time assistance on client-specific code repositories. It enables developers to ask detailed questions related to code functionality, integrations and more. With customizable features and context-aware responses, the solution ensures that developers receive accurate and relevant insights specific to their coding environment. With HCLTech Code Assist, organizations can empower their developers to work more efficiently, collaborate effectively and achieve faster delivery, ultimately driving innovation and business success.



Key features



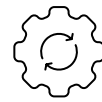
Code assist

Allows developers to ask queries related to code, functionality and integrations, delivering precise and actionable answers



Context-aware split

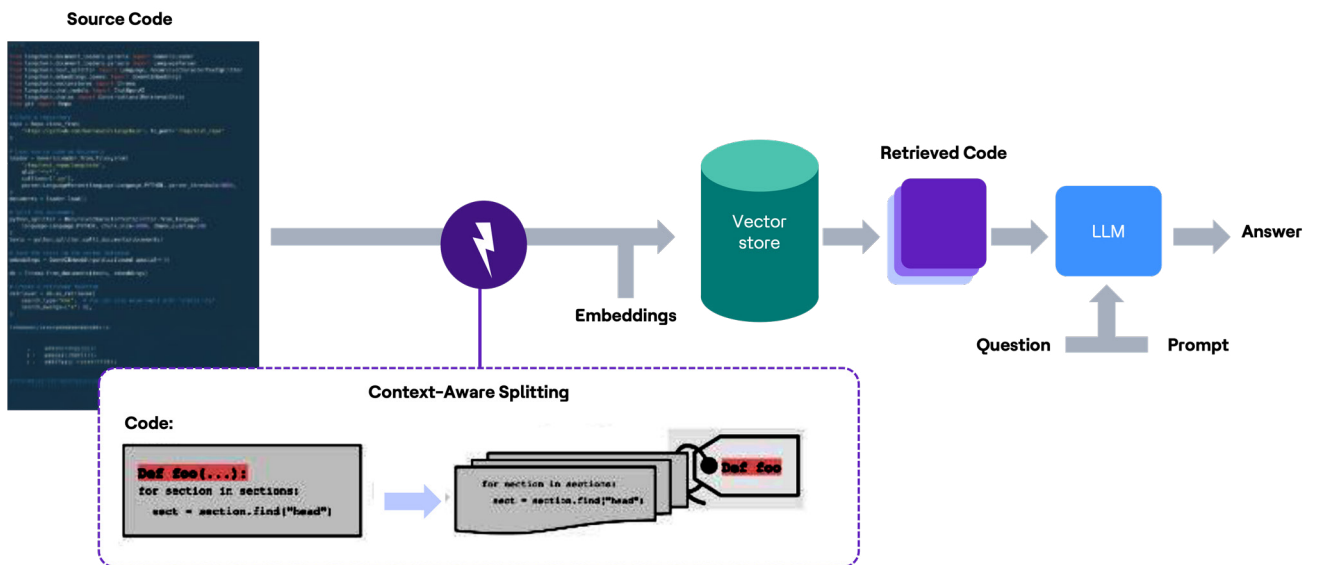
Generates better responses by understanding the specific context of code-related queries



Customization

Flexible adaptation to the client's unique code repository for a personalized experience

Logical process flow



Key AWS services used: Amazon ECS Container, AWS Lambda, Amazon Bedrock, Amazon EC2

Benefits



Enhanced developer productivity

40% developer productivity gain with immediate, accurate code-related answers that reduce time spent on manual searches and troubleshooting



Improved collaboration

Facilitates knowledge sharing among developers, breaking down silos and promoting teamwork



Shortened release cycle

Accelerates the development process, leading to quicker releases and better time-to-market



Defect reduction

Better reviews and code quality helps in reducing code breaks



Faster onboarding

Offers accurate and well directed Information on click helps in faster onboarding

SDLC adoption



Code assist

Natural language Instruction based code generation across multiple programming languages



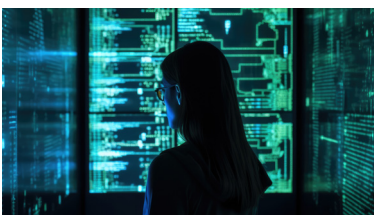
Review assist

Code finding based on the best practices, organization specific standard coding practices, repository code writing style etc.



Impact analysis

Code enhancements/changes impact on the dependent modules, integrations to avoid production code failures



Code deployment

Ability to generate deployment IaC code snippets for automated CI/CD code deployments

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