

HectorIDE: A Document Centric Platform for AI Powered Software Development

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While large language models have revolutionized isolated coding tasks, they often fall short in managing the architectural complexity of large scale technical projects. This paper introduces HectorIDE, an AI powered platform designed to bridge this gap. Using project specifications as its foundation, HectorIDE automatically transforms high level requirements into detailed technical plans, a complete codebase in a language the user selects, and foundational QA tests. The result is a single downloadable repository that offers a solid and verifiable starting point for any project, saving developers significant initial time and effort.

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