

Building Your AI-Driven Embedded Developer Experience (DX)

A Comprehensive 120-Hour Training & Implementation Program to Build In-
House Embedded Software AI - Competence

6 MONTHS | 3 PHASES | 120 HOURS

Why Transform Your Developer Experience?

The Problem

Engineers currently waste weeks navigating "dependency hell" and digging through 1,000-page datasheets for basic prototypes.

Result: Delayed Time-to-Market and overwhelming Tier 1 & 2 support costs.

The Solution

Train your team to build a 5-pillar ecosystem that empowers engineers to go from **Zero to Production in 3 minutes**.

Shift from delivering static documentation to providing a context-aware AI assistant inside the workspace.

The 5 Core Pillars of Modern DX



Modular Architecture

Eliminate technical debt via external modules.



Golden Templates

Instant start with DevContainers & CI/CD.



AI-Ready Workspace

Inject rules to eliminate AI hallucinations.



RAG & MCP Server

Integrate corporate knowledge into the IDE.



Smart Onboarding

Automate project setup via conversational AI.

Phase 1: Fundamentals (40h)



1-Week Intensive On-Site Training (Focus: Architecture).



Designing modular systems and external OS modules.



Mapping containerization (DevContainers) and pipelines.



Data Mapping: Preparing PDFs and forums for AI ingestion.



Phase 2: Tool Development (40h)

Hands-on Building (Months 2-4)

Transforming architectural designs into functional enterprise tools.

Golden Template Engineering: Functional templates with automated testing (Twister).

RAG/MCP Deployment: Turning manuals into a queryable vector database.

Onboarding CLI: Building the LLM assistant for dependency management.



Phase 3: Implementation (40h)

AI Rule Validation: Testing .cursorrules to ensure code generation is 100% accurate for your specific APIs.



Ecosystem Testing: Validating that the IDE fetch logic flawlessly integrates authorized corporate documentation.



Beta Rollout: Testing the onboarding tool with internal engineers to ensure error-free project structural generation.



Final Handover: Full documentation and knowledge transfer to enable your team to scale the DX independently.

Ready to Transform?

Equip your team with the tools to build the future of Developer Experience.

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