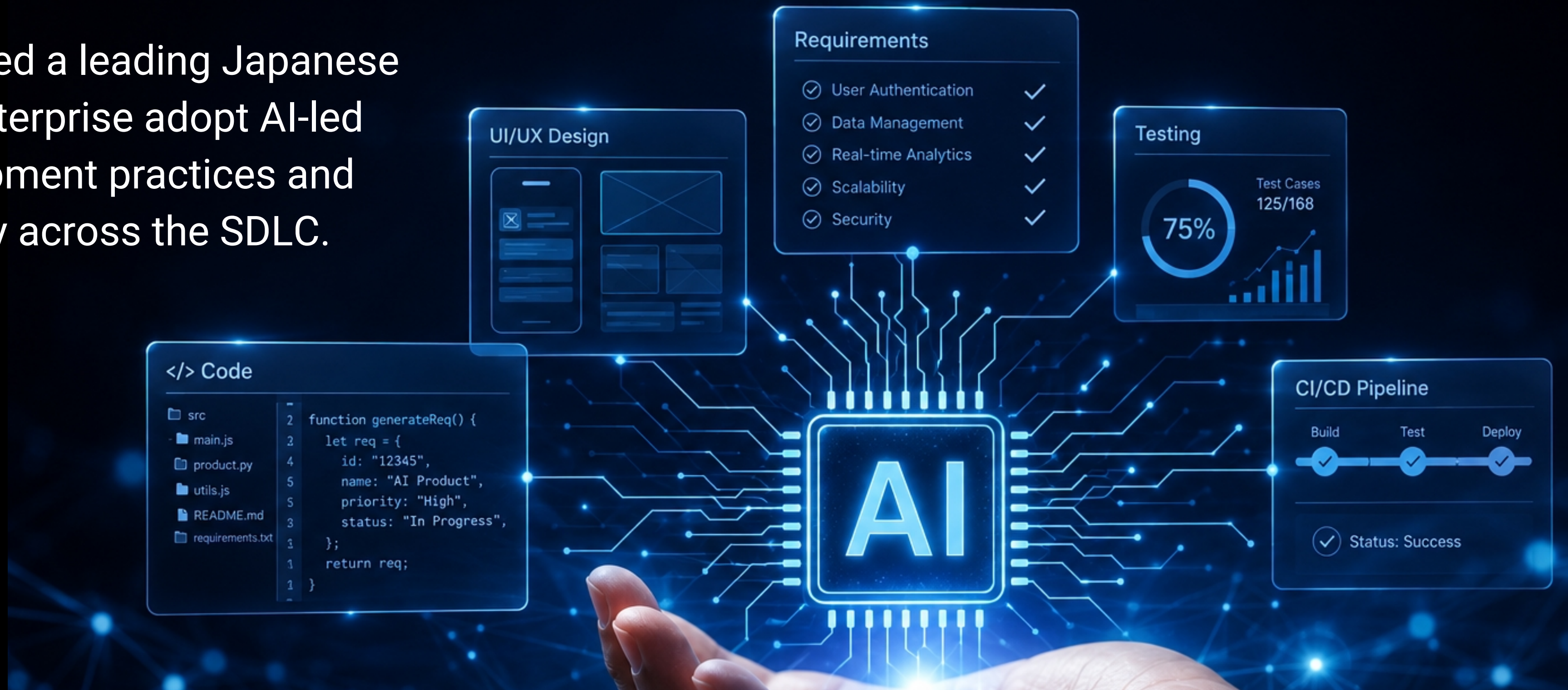


Accelerating Product Development with AI-Led Engineering

Innominds helped a leading Japanese construction enterprise adopt AI-led product development practices and improve delivery across the SDLC.



Challenge

Reduce fragmented requirements, slow UI cycles, and manual effort



Solution

AI-led requirements, UI, code, testing, and CI/CD automation



Impact

Up to 40% productivity gains & 75% faster UI design cycles

Client Overview

The client is a leading Japanese construction enterprise that relies on CoordyCAD for design, coordination, and project-delivery workflows across large-scale engineering programs. The client sought to adopt AI-led SDLC practices to accelerate delivery and unify fragmented requirements.

The Challenge

The client needed an AI-led approach to unify fragmented requirements, shorten UI iteration cycles, accelerate development, and connect requirements to deployable, tested code.



Business Need

AI-led approach to unify fragmented requirements, reduce lengthy UI iteration cycles, accelerate development, and connect requirements to deployable, tested code. The client sought to adopt AI-led SDLC practices to accelerate delivery and unify fragmented requirements.

- **Unified requirements synthesis**
Consolidate fragmented inputs into structured PRDs
- **Faster UI development**
Reduce 160+ hour UI iteration cycles
- **AI-assisted development**
Accelerate PRD, user-story, and code creation
- **End-to-end automation**
Connect requirements to deployable, tested code

Solution

Innominds implemented an AI-led product development model that streamlined requirements, accelerated UI and code generation, automated testing, and enabled CI/CD across the development lifecycle.



Requirements synthesis

PDFs, emails, and Teams transcripts were converted into structured PRDs within hours



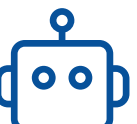
AI-assisted UI generation

Figma Make and Wireframes-to-UI produced production-ready interfaces



AI-assisted code generation

Claude and GitHub Copilot enabled spec-driven development using SRS and user stories as context



Intelligent test automation

AI generated Python test scripts with self-healing regression optimization



AI-driven CI/CD automation

AI generated IaC scripts, container builds, and GitHub Actions/Azure DevOps pipelines

Value Delivered

The AI-led development approach improved productivity across requirements, development, and QA while accelerating UI delivery and enabling end-to-end lifecycle traceability.

- Achieved up to **40% productivity** gains across requirements, development, and QA
- Improved developer productivity by **25–30%** through AI-assisted coding
- Accelerated UI design cycles by **75%** for CoordyCAD
- Enabled full traceability from **PRD → Code → Tests**, tracked in Jira

Tools & Technologies

- Figma Make
- Wireframes-to-UI
- Claude
- GitHub Copilot
- Python
- GitHub Actions
- Azure DevOps
- Jira



Accelerate Product Development with AI-Led Engineering

Partner with Innominds to transform your SDLC with AI-powered engineering.

Reach out to marketing@innominds.com

