

From Chaos to Clarity

<We Leveraged GenAI to Redesign Our Client's Application, Cutting Project Costs by 40%>

About the Customer

A leader in the US Trade installation and facilities services sector, with a team of over 5000 professionals, and renowned for crafting and maintaining cutting-edge electrical and tech systems. Projects were executed by leveraging in-house and sub-contracted resources.

The Challenge and the Need

Following a recent acquisition, our client faced a disjointed collection of contractor data across multiple CRM systems, impacting their efficiencies. They needed a streamlined solution whose key goals were:

- Developing a modern application to enhance contractor selection and onboarding.
- Creating a system robust enough for multi-tenancy, integrating new acquisitions smoothly and effectively.

The Solution

Codespell stepped up to transform their outdated system into a sleek, GenAI-driven solution, that consisted of:

- MACH-aligned, user-friendly application for managing contractor interactions.
- Microservices architecture, boosting scalability.
- Entity Framework as the ORM, smoothing out database interactions.

Benefits

Driven by the GenAI platform

<01>

Drastic reduction in the time needed to develop API components, ramping up productivity.

<02>

Enhanced code quality across the board, with indicated by SonarQube scores.

<03>

Expanded code coverage with comprehensive unit testing and integrated seamlessly with testing platform.

Leveraging GenAI, which included industry best practices, project costs were reduced by up to 40%



Ready to Improve Your Operations?

At Codespell, we're not just about building seamless tech solutions; we're about transforming how you do business. Intrigued to see how we can bring some magic to your software development process? Reach out to us at info@codespell.ai and let's take your project to the next level

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