springline ADVISORY

Technology Advisory Case Study

Industry: Higher Education

Services: Main Website Content Management, Student Portal

Technologies: Sitefinity, Microsoft .NET, SQL Server, Azure

Situation

MarksNelson, a Springline company, has leveraged Progress Sitefinity as a Content Management Solution for numerous clients over the years, including its own website. Despite the firm's extensive experience with this platform, one particular client engagement introduced unique technical challenges due to significant customizations implemented by a third party on two separate Sitefinity instances: one supporting its main college website and another dedicated to its student portal. Both Sitefinity environments incorporate a range of advanced custom-developed features and complex subsystems.

Solution

The MarksNelson team began by collaborating with both the client and the developer responsible for the customized Sitefinity solutions to formulate a transition strategy that enabled them to thoroughly understand the new features integrated into the base Sitefinity product. Subsequently, the team adopted a DevOps methodology to manage the project life cycle through Azure DevOps. A dedicated scrum board was established, granting access to both the new development team and client management team. The source code was migrated to a repository within the same DevOps tenant, and automated deployment pipelines were implemented across Development, Testing, and Production environments. The team continues its efforts to develop new features and deepen its familiarity with the custom code introduced by the original developer.

Results

Due to substantial early progress, the MarksNelson team was entrusted with all development and support responsibilities, succeeding the previous development team. For more than two years, MarksNelson has consistently resolved numerous issues and delivered new features, and remains committed to ongoing enhancements for both sites and to maintaining a reliable environment for development and production hosting.