CASE STUDY Platform modernization | AZURE APP MODERNIZATION | NON-PROFIT

WordPress to a secure Azure platform with 30 to 40% faster pages.

An India-based non-profit ran its church community matrimony service on an old WordPress site that was slow, hard to manage and risky for personal data. We rebuilt it as a **modern, secure application on Azure** that is easier to run and ready to grow.

CLIENT: AN INDIA-BASED NON-PROFIT RUNNING A CHURCH COMMUNITY MATRIMONY SERVICE

SPEED	MANUAL EFFORT	SUPPORT LOAD	HOSTING COST
30-40%	**20-30%**	**25%**	**10-15%**
Faster page response times, steady during busy periods	Less manual coordination across reviews, notifications and follow-ups	Nearly 25% fewer support tickets and routine fixes	Lower monthly infrastructure costs from optimized hosting

CLIENT BACKGROUND

The client is a **non-profit organization in India** that supports a church community through matrimony services. It manages member profiles, matching activities and communication between families.

Its work involves personal and sensitive information, so trust and data safety are critical. As the community grew, it needed a reliable, secure system that was easy to manage, without losing the user experience.

BEFORE
Legacy WordPress site
Custom code, slow pages, weak data protection

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AFTER
Modular platform on Azure
.NET 8 APIs, Angular, Azure App Service and Azure SQL

THE CHALLENGE

Growth and system limits
The platform struggled as users and data grew, with slow responses and strain during peak activity.

Hard-to-manage platform
Small changes took too long because custom updates were complex, fragile and often disruptive.

Data security and trust risks
Personal information lacked modern protection, which raised risk and made security expectations hard to meet.

Performance and workflow gaps
Slow pages, rigid processes and unreliable background tasks hurt staff productivity and timely communication.

WHAT WE DELIVERED

01 Modern, scalable foundation — .NET 8 · ANGULAR
We moved the old WordPress site to a rebuilt, modular application with clean APIs.

02 Data protection and access security — ENCRYPTION · JWT
Sensitive profiles and files are encrypted, with role-based access and clear audit trails.

03 Secrets management — SECRETS
Plain-text credentials were removed from configuration, with controlled access to keys and tokens.

04 Monitoring and early warnings — APP INSIGHTS
Application Insights tracks requests and dependencies and raises alerts so problems are caught early.

05 Automated workflows and notifications — SENDGRID · WHATSAPP
Matching steps and notifications now run automatically by email and WhatsApp.

06 Separate environments on Azure — APP SERVICE
Dev, UAT and production environments are kept separate on Azure App Service.

RESULTS

30-40% **Faster page responses**
Consistent performance, even during higher user activity.

20-30% **Less manual coordination**
Approximate cut across profile reviews, notifications and follow-ups.

25% **Lower support load**
Support tickets and routine fixes fell by nearly 25%.

10-15% **Lower monthly costs**
Optimized hosting and managed services cut infrastructure spend.

Security and trust. Stronger protection for private data increased trust among stakeholders and users.

TECHNOLOGIES USED

.NET 8 Web API · Angular · Azure App Service · Azure SQL · Azure Blob Storage · Application Insights · SendGrid · JWT authentication · WordPress (source)

FUTURE PERSPECTIVE

The work first built a **secure, stable foundation** for daily operations. Next, the platform will add role-based privacy controls, configurable workflow modules and analytics dashboards, so the client can manage data more precisely and see engagement clearly.

Running a key app on an aging platform?
Talk to a Krish app modernization engineer.

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Read this case study online: krishservicesgroup.com/case-study/modernizing-matrimony-platform-using-azure-architecture/