Prolifics Application Modernization & Innovation

Offering

About: Build, modernize & transform web & mobile industry specific application to meet unique business need.

Start: Briefing on Prolifics relevant experience in industry and how Prolifics helped other clients with their Application Modernization & Innovation goals.

Plan: Prolifics will work with you to **discover** & assess your current state, then combined with our experience and industry trends, we'll define a strategy

Implement: At Prolifics, we believe in iterative approach to modernization. Think of Strangler Fig pattern, instead of full-scale rewrite, we selectively replace components of the application until complete application is replaced.

Operate: Key aspects of operations are two: (1) meet business day-to-day operations of an organization and (2) application is technically well-prepared to scale, recovers from failures, and security/audit measures are in place to ensure the application remain compliant over time.

Differentiators

Expertise & Experience: Our track record is our #1 differentiator. We have 91% rate of repeat engagements.

Customer Centric: We present customers with a range of possibilities and options, allowing the customer to envision what is achievable; art of the possible. Then, together we select the most suitable path forward.

Approach: We have an automated and methodic approach for discovery, assessment, implantation & deployment. Over the years, we've built & adopted set of tools for repeatable tasks, then accelerators & frameworks to reduce risk.

Certificates & Competencies: We have 700+ technical certifications, technical competencies in web & mobile app development, experts in hyper personalization & digital transformation around the glob.

Managed Services: Modernization could include hybrid; cloud and on-premises operating model and we have experienced teams to smoothly transition to day 2 operations.

Leverage Cloud & AI to Drive Digital Transformation

Prolifics App Modernization & Innovation Journey

4th Stop: Operationalize

- Cost optimization, support, maintenance, monitoring, logging & governance.

3rd Stop: Implementation

- Iterative approach to implementation, test & feedback.

2nd Stop: Proposal & Plan

- Agree on approach & establish reference architecture.

1st Stop: Discovery & Assessment

- Conduct a discover workshop.
- Use migration tools to scan and identify changes (front end code, database code, configuration…).

Start with Briefing

- What does App innovation mean?
- What does Prolifics bring to the table?

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Client Success Stories

Approach: Low Code
Client: Engineering & Construction

PowerApps · Flow · SharePoint · Azure AD

A Large Engineering & Construction company based in Norwalk, Connecticut, US has automated system to approve hardware and software orders. The old manual process was very confusing; people did not know where to start, what information to provide and who are all departments that need to get approvals or simply get any new hardware or software on-boarded. Prolifics automated manual process using Microsoft Power Platform. Now, with just few clicks, employees can initiate a request, then application workflow routes request to purchasing, security, etc. departments. Once all approvals are back, employees are notified to retrieve documents stored in SharePoint and facilitate the smoot execution of the order.

Solution
- Document business and technical issues
- Assessed current state and readiness
- Built resource, timeline & project plan
- Build Power Apps front end
- Utilized Power automate flow to orchestrate workflow, such as, create document package, route requests, send emails, etc.
- Utilized SharePoint for to store list, libraries and documents
- Utilized Azure AD to manage user groups and security.
- Helped to document necessary information for funding

Outcome: Client is happy with current consistent & automated process and hired us for managed services. In addition, we've been tasked with digitalizing more manual processes utilizing Microsoft Power Platform.

Approach: Traditional Dev
Client: Engineering & Construction

Microsoft .NET · Angular · Xamarin · SQL MI · DevOps

A mortgage lender has a new, robust user experience for both borrowers and loan officers. The old platform wasn't user friendly; most people didn't know where to start, how to select a product, price a loan, eSign, or simply print documents. This created problems from origination to closing. We implemented a new omnichannel web and mobile point-of-sale. Now, with just a few clicks, borrowers can apply for loans, add info, eSign, track loan status and can "one-click" connect with loan offices. Loan officers can verify information, complete applications, adjust pricing and fees, and print documents.

Solution
- Provided Assessment
- Provided Application Design Patterns & Reference Architecture
- Implemented Web & Mobile app POS
- Refactored existing service to Microservices & ported to Azure
- Microservices were managed & Secured by App Gateway & API Management
- Database was power by Azure SQL Managed Instance
- Integrated with Azure Active Direct B2B & B2C
- Integrated POS with LOS running on internal network
- Implemented CI/CD with Azure DevOps, Jenkins & Application Center

Outcome: Borrowers & Loan officers can complete an application, order credit report, price a loan, review fees, underwrite & print documents with few clicks. Customers can provide additional information, eSign, check status real time, etc. Company was able to attract and private label the digital platform to other lenders in the industry

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Client Success Stories

Migrate on-prem to Azure
Client: Investment Banking

Challenge: Large Manhattan based investment banking service company was seeking for elasticity to handle spikes, drive business agility, realize faster innovation, faster net to new applications and features to market, and reduce the total cost of ownership for IT infrastructure assets. The company set its sights on leveraging cloud services in Microsoft Azure to streamline and optimize its core operations to free up Infrastructure staff and enable Application Development teams to drive more innovation for customers

Solution
- Provided Assessment
- Provided Application Design Patterns & Reference Architecture
- Security Controls, Governance, Network Applications & Data Classification
- RBAC, Policy Definitions and Assignments, Capacity management
- Utilized ARM Templates, Terraforms & Blueprints for CI/CD
- Azure DevOps, environment, builds, pipelines
- Benchmarked on-premises SQL vs Azure SQL Managed Instance performance
- Provided statistics w/aching options with Azure Reduce
- Configured ASE, API Management and App Service Plans
- Migrated MVP to production and assisted with operationalizing target hybrid environment

Outcome: The solution saves the company as much as 30% cost and time for its IaaS and PaaS services. Now, client can shift spending and reallocate resources to continue driving innovative initiatives.

Data Governance Tooling
Client: Health Insurance Company

Challenge: For-profit American health Insurance company serving millions of members across the U.S. wanted to transform Data Governance. In the process, they wanted to aggregate data from different data cataloging system into enterprise catalog, create dashboards for tracking, various tools for catalog searches & overall accelerate the dataset certification process utilizing modern technologies.

Technologies utilized in the solution

- Implemented Azure Purview for Data cataloging
- Implemented custom app hosted in AKS as background process to trigger the auto discovery of new resources and related data
- Utilized Power Platform for low code and Azure Logic Apps for workflows orchestration to maintain dataset metadata / attributes
- Created Power BI Dashboards for Dataset inventory and Data Quality
- Created Azure Data Gateways to be utilized by low code power Platform
- Configured Azure SQL in Private Link & Private End point for Enterprise Metadata Management
- Implemented Azure Data Factories to ingest data from various sources
- Utilized docker desktop & created container applications and deployed to AKS
- Deployed Azure resources with ARM, Terraform & yaml scripts utilization Azure DevOps and GitHub for CI/CD

Outcome: Data scientists can focus on worked assigned and accelerate the dataset certification process.

Sample **Clients**