

## Case Study

### **Interactive Dashboard**

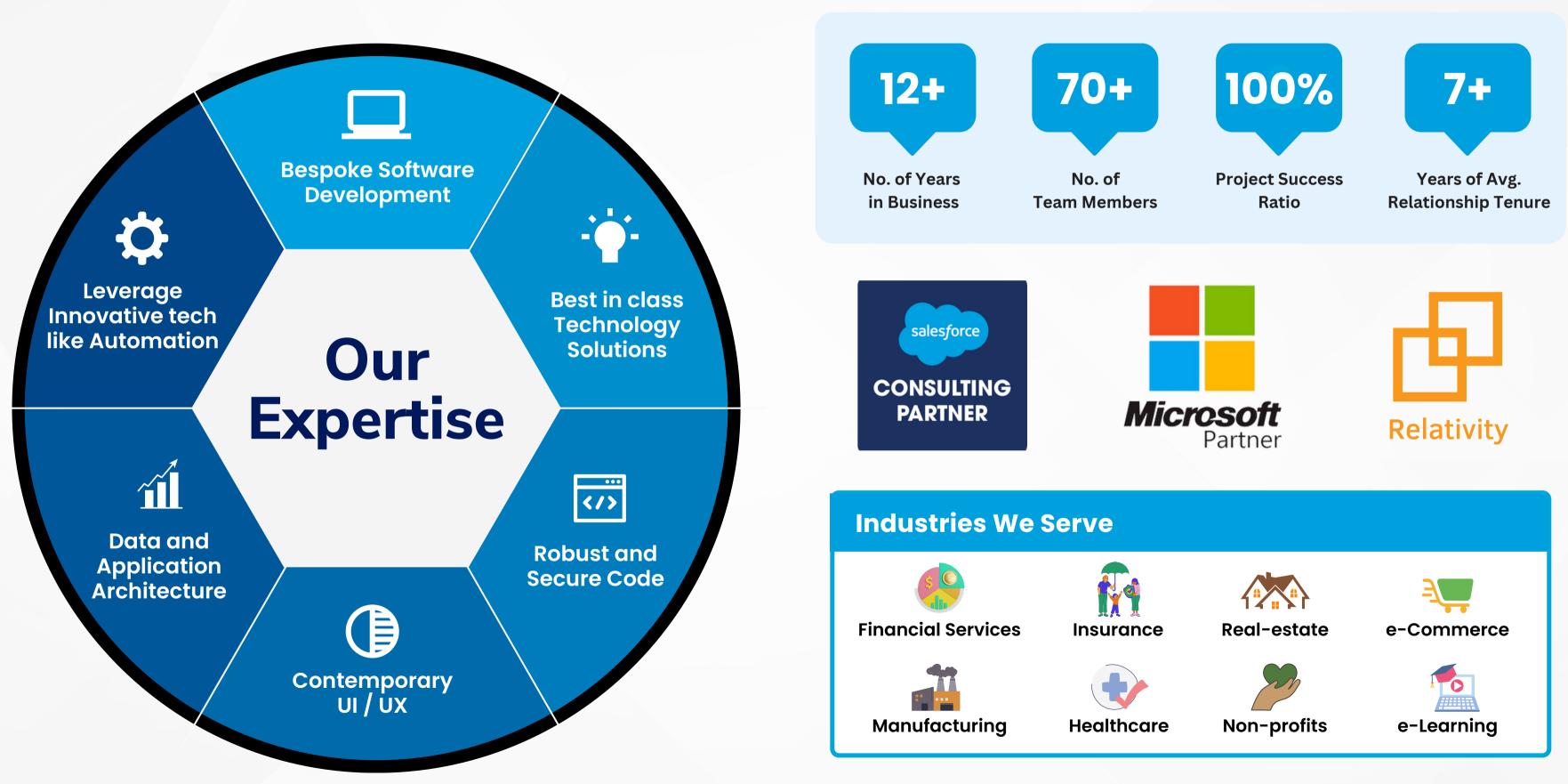


www.convergesolution.com



# CONVERGESOL INC

#### **ABOUT CONVERGESOL**



ConvergeSol 02

#### **BUSINESS PROBLEM**



- data in a single unified platform.
- constrained by static configurations.
- the **reporting system** for users.
- publishes on IIS.

• The client possesses a comprehensive dataset of statistics for various locations and desires to consolidate all reports and

• The objective is to enable the client to conveniently access and analyze data from multiple locations. Additionally, the client seeks the ability to manage dynamic location endpoints, allowing users to modify them as needed rather than being

• The client desired a **smooth integration** of new locations into

• The application should incorporate various features, including role-based permission management, two-factor authentication, and an API installer that automatically

#### **OUR SOLUTION**

- ConvergeSol played a pivotal role in constructing a resilient platform that offers an intuitive dashboard, effectively presenting customer statistics in a user-friendly manner.
- Users can easily configure and manage different aspects of the system by utilizing the web application. This includes defining and customizing customer profiles, user accounts, locations, and API endpoints. The configuration process is streamlined and accessible through the intuitive user interface of the web application.
- The project utilizes Agile methodology with JIRA for project management. We completed critical functionalities promptly and implemented technology upgrades to .NET Core 6, SQL Server, and Angular.
- The Dashboard web application incorporates the following key features:
  - **Dynamic Dashboards** and reports
  - Favorite Dashboards
  - Export Reports as Excel or PDF
  - Customer/User Management
  - Role-based permission Management
  - Locations/API management
  - Two-factor authentication & API Installer with auto publish on IIS
- ConvergeSol showcases expertise by delivering comprehensive solutions that empower clients with efficient data management, visualization, and scalable platform architecture for future enhancements.



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#### **BUSINESS BENEFITS**

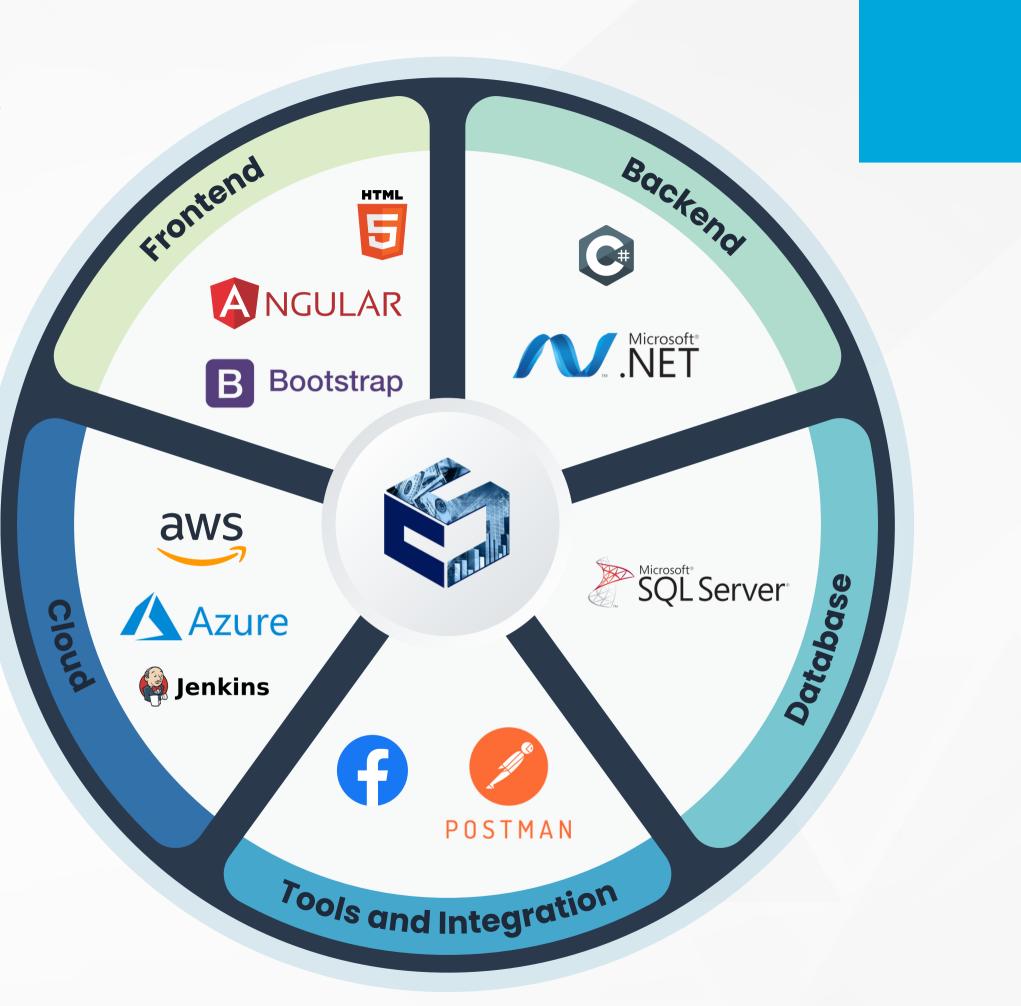
- The dashboard serves as a powerful tool for businesses to monitor customer statistics, configure system settings, and leverage valuable insights for strategic decision-making and enhancing customer experiences.
- Our solution facilitated streamlined operations management, seamless data handling across locations, effective user management, and enhanced accessibility to dashboards and reports, resulting in **increased productivity**.
- Users can drill down into specific data points, apply filters, and explore trends, patterns, and correlations. This deepens understanding, identifies opportunities, and supports **data-driven decision-making**.
- Users can customize and personalize their views, choose relevant metrics, and generate ad-hoc reports. This expedites data access, empowering users to gain insights and make independent decisions.
- Our expertise in facilitating platform scalability and disciplined release management led the client to acknowledge us as a trusted and capable partner.
- Our successful partnership fulfilled immediate needs and laid a solid foundation for the client platform's long-term growth and development.



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#### **PROJECT TECHNOLOGY STACK**

- Selecting the right technology stack for a project is a critical decision that can significantly impact the project's success.
- We have taken several factors into account while making our technology stack selection for project implementation:
  - Scalability
  - Performance
  - Security
  - Cost
  - Third-party Integrations
  - Time-to-Market



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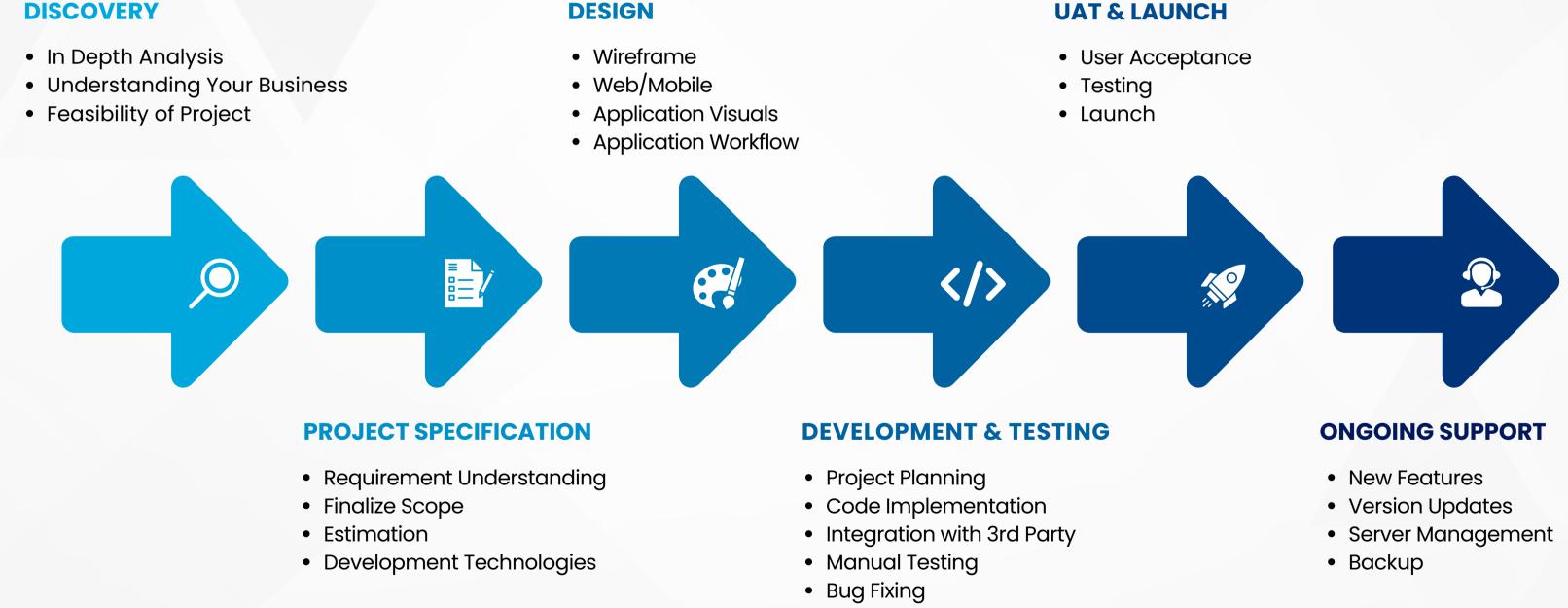
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#### **OUR DEVELOPMENT PROCESS**

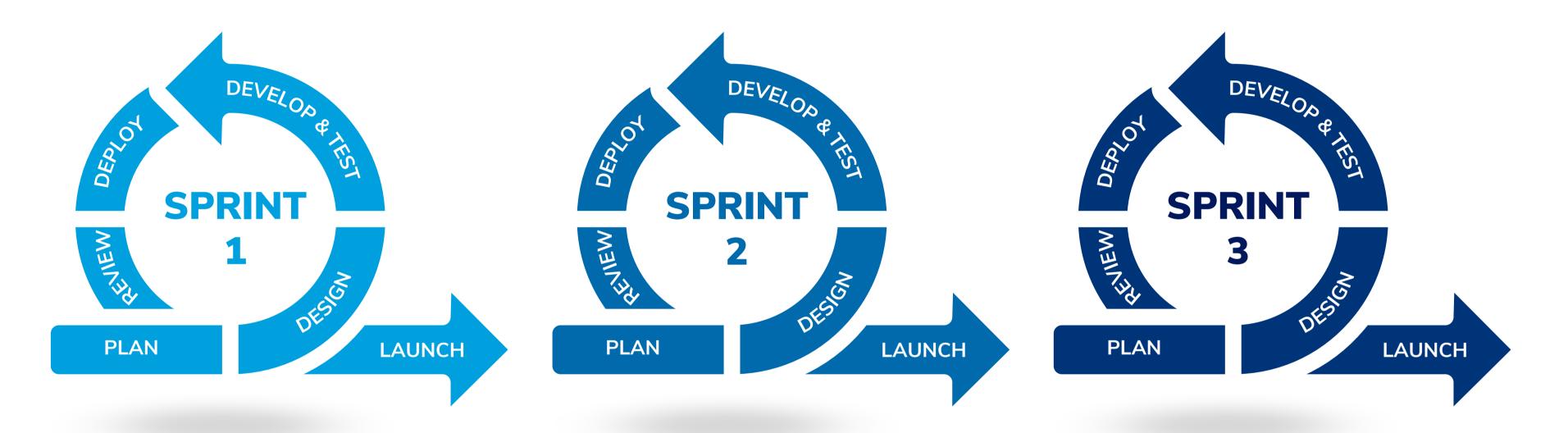
The Software Development Life Cycle (SDLC) is a well-established framework utilized in project management.

It encompasses the various stages involved in the development of an information system, starting from the initial feasibility study and extending to the maintenance of the completed application.



#### **UAT & LAUNCH**

#### **OUR AGILE DEVELOPMENT PROCESS**

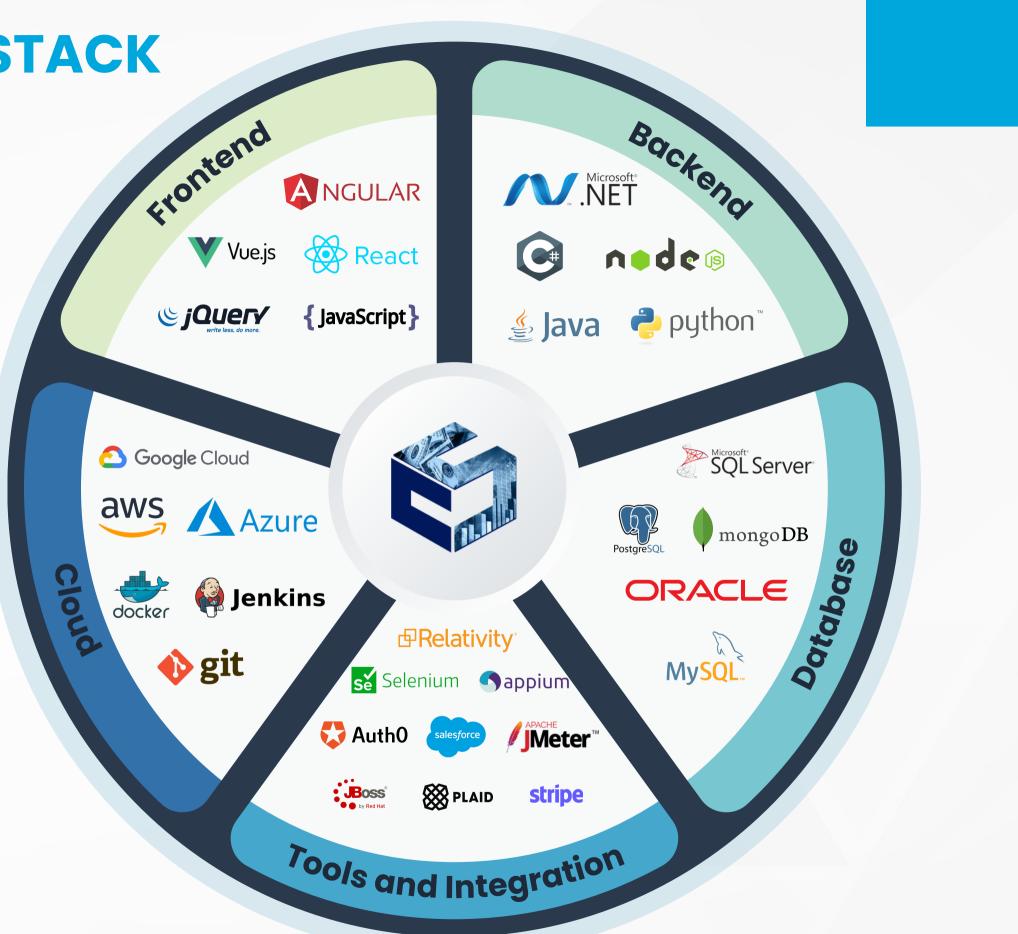


Agile methodology is a project management framework that prioritizes adaptability, collaboration, and iterative development. It emphasizes delivering value to customers through frequent releases, continuous feedback, and self-organizing teams. Agile promotes flexibility, transparency, and the ability to respond quickly to changes in requirements or market conditions.

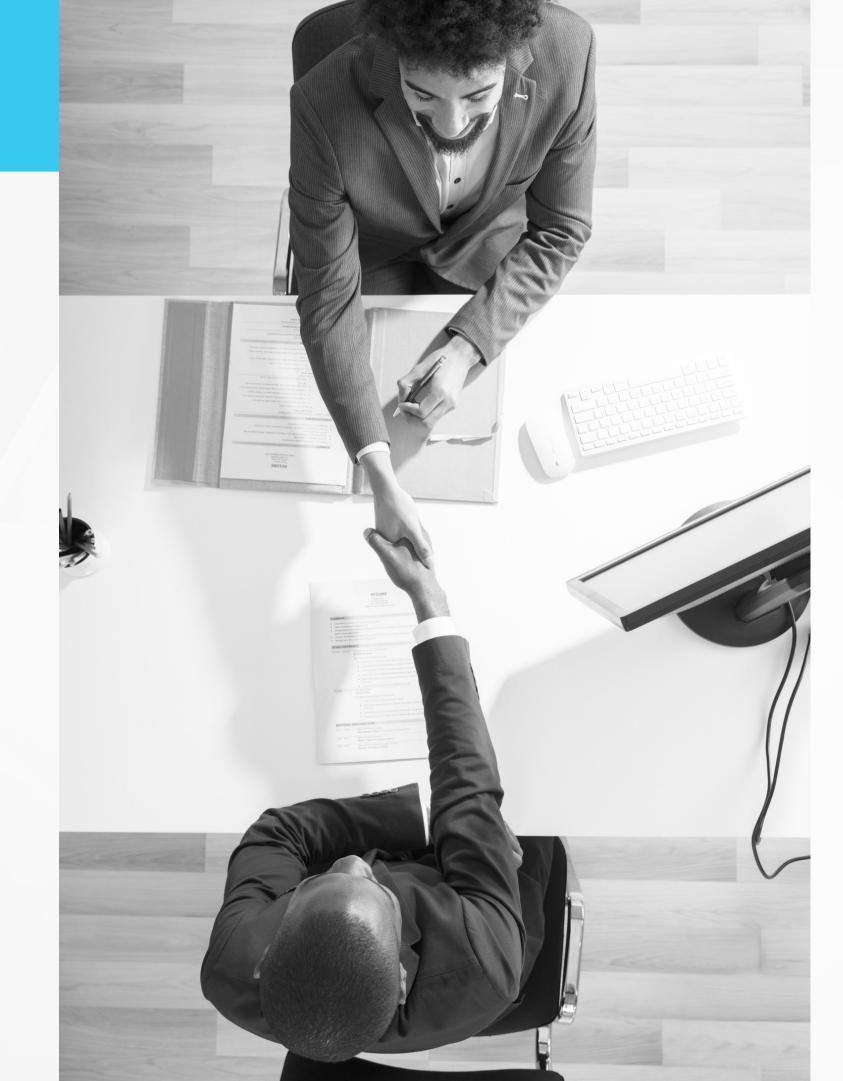


#### **CONVERGESOL TECHNOLOGY STACK**

- At ConvergeSol, we leverage a cutting-edge technology stack to deliver innovative solutions that meet the unique needs of our clients.
- Our partnerships with leading software providers like Microsoft, Salesforce, Amazon, and Relativity allow us to create best-in-class solutions that solve real business problems.
- Here's a glimpse into our key technology experience across the entire software development lifecycle:
  - Frontend technologies
  - Backend technologies
  - Infrastructure and DevOps
  - Tools & Integrations



# CONVERGESOL INC





### **EMBARK ON YOUR JOURNEY WITH US**

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