



## PROFILE

of

## BanyanTree Software Solutions

Version 1.4

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## 1. This Document (An Executive Summary)

Welcome, Reader!

This document introduces our organization to you in brief. It provides some information about who we are, what we do, how we work, what are our skills, etc.

Providing a software solution is serious business, since to develop software for a Business, one has to have a thorough understanding of the business and its various processes and methods. Creating software is a process involving mutual trust and confidence. This profile is a first step towards building that mutual trust and confidence, by introducing ourselves to you.

Here we have tried to answer any questions that may arise in your mind; and we assure you of answering any other questions that may arise in your mind.

We are “BanyanTree Software Solutions”, or BTSS, and are in the business of providing Software Development, Design and Quality Assurance Services to Businesses, Institutions and the Industry.

The areas of Software where we provide our services are:

- **Custom Software Design & Development**
- **Enterprise Resource Planning (ERP) Solutions**
- **Industrial Automation Software**
- **Data Acquisition System (DAS) Software**
- **Software Product Development**
- **Consulting Services**
- **Maintenance and Support**
- **Software Quality Assurance**

While providing our services in these areas, we aim to provide the best services, on time, to our clients so that they are not only delighted, but desire our services for subsequent jobs.

The key to our success in executing projects is simplicity and transparency in processes and communication.

Our skill-set includes:

- Working in various Software Lifecycle Models
- Experience in working on different Operating Systems and Platforms
- Ability to work and adapt numerous Software Development Tools
- Ability to work and adapt to variety of hardware interfaces and communication protocols

Our Clientele represents varied Work Domains:

- Website-cum-CMS for various clients
- Enterprise Software like Inventory Management, Maintenance Management, University Estate Management
- Supervisory Control and Data Acquisition Software for interfacing field devices using variety of protocols
- Web Portal for Promotional Codes

We also have some proven products which are in operation at various client locations.



## 2. Who Are We?

We call ourselves “BanyanTree Software Solutions”, or BTSS for short.

Our source of inspiration is the Banyan Tree, which is a symbol of inner strength, of reassurance. From this eternal symbol of silent strength and dependability, we have been inspired to build a team of people as solidly reassuring as the Banyan Tree - a Team that assures you of providing solutions for your Business or Process needs.

We are in the business of providing Software Development, Designing and QA services to a wide range of clients.

Whether you want to establish or enhance your web presence (by building or enhancing your website), or to make your processes paperless and more efficient (by getting software created to suit your needs), or to improve your accessibility to your business from wherever you are, we are here to do it for you!



### 3. What do we do?

We provide software services. We provide an edge to your business by creating software which suits your needs. We always say – instead of merely providing what a customer wants, we try to understand their needs, and with their understanding, consent and approval, build and provide what they actually need – our aim is to provide an edge to your business with our abilities.

We help you:

- **Create Custom-made Software for your needs** - and sharpening the edge of your processes. We study your existing business/administrative / plant or engineering processes (how you do what you do), and come up with a software solution for strengthening the processes, and once you review and approve the solution, we build the solution for you.
- **Enhancing your existing software to suit your current & future needs** – you may have software systems already in place, but these systems may not be updated to address your current & future business & process needs. We help you enhance your software to make it up to date! For example, you may not be able to get real-time information from wherever you are outside your premises. We will transform your systems so that you can access information from your systems wherever you are – instantaneously!
- **To create a website / websites** - for you to cater to your business needs. The websites are accompanied by Content Management Systems (CMS) so that you have complete control of your website – you can make changes to your website real-time without the help of anyone else.
- **Improve / Enhance your existing Websites** – by studying your existing website against your business needs, your business philosophy, and then enhancing it so that it represents the real you – and provides you with an edge in today's market.



## 4. What propels us Onwards?

Our organization is built upon the belief that the quality of our work establishes our reputation. We go all out in our efforts to provide quality services to our clients. These beliefs show up in our Vision and Mission statements.

### 4.1 Mission Statement

Our mission is to help our clients to strengthen their business and processes using our skills in various areas of Computer Science, Engineering and Software. We aim to provide the best services, on time, to our clients so that they are not only delighted, but desire our services for subsequent jobs.

### 4.2 Vision Statement

We aim to grow to be a benchmark in the domain of Software Industry in terms of the quality of our output, and the services that we provide to our clients.



## 5. Our Approach and Way of Working

We believe that the means justify the ends! And in the present time where timely delivery and quality of work are equally important, we strive to “do it right the first time!”

To satisfy these two values, we follow some simple principles when we are at work:

- Customer involvement from the very beginning and throughout the project.
- Transparency and frankness in communication within & outside the organization.
- Stringent adherence to Software Standards, no matter what methodology we follow for a job (Waterfall, Spiral, Agile)
- Timely delivery in all possible cases, and clear prior intimation to the client in case of a delay.

Whatever the job – be it creating a website for a customer, or creating a software application for an organization, we ensure that we follow Software Engineering Principles, maintain adequate documentation, and cater to relevant needs of the client.

## 6. Our Skills

Our main strengths are our people, and their skills. Our team is composed of people well-versed in all phases of the software life cycle, and who have created a varied range of software products and solutions – real-time applications, device communication and interfacing, ERP Packages, CRM solutions, Business Applications, ....!

We are a workforce with experience in working on trans-national projects, and have worked in offshore and outsourcing models.

The following list shows our skills:

### Software Lifecycle Models

- Waterfall
- Iterative
- Agile (using Scrum)

### Operating System platform and products

- MS Windows Operating Systems (Legacy, XP, Vista, Win7)

### RDBMS Platform and Products

- SQL Server 200x
- MySQL
- MS Access, FoxPro 2.6

### Languages & Front-End Tools

- Visual Basic 6.0
- C/C++, C#

### .NET Skill Set

- .NET Framework and Common Type System,
- ASP.NET, ADO.NET
- .NET Class Libraries
- Web Services, .NET Remoting, Threading & Delegates

### Development Environment

- Structured System Analysis and Design
- Object Oriented Analysis and Design

### Other Tools

- ActiveX Components (DLLs and EXE), ActiveX Controls
- ODBC, ADO, COM/DCOM Components
- Crystal Reports, SQL Reports
- OPC Systems.Net

## 7. Work Accomplished

It is said that “Your work speaks for you”. Following is a list of some of the products and projects to bear testimony to our abilities:

### 7.1 Projects

#### **Web-based MIS Software for M/s Care Mediquip (Mumbai)**

A web-based MIS is developed for an organization which has dealership of Phillips-make of Medical Equipment and covers the whole of India. They have offices at 8 locations in the country. The application manages the Supply-Chain Management Operations (Tender / Quotation / Purchase / Stock & Inventory), Maintenance Operations (Corrective & Preventive Maintenance, AMC), HR and Payroll Operations, and various MIS Reports.

Features: Web-based MIS, Dashboard of Reports & Trends

#### **Data Acquisition Software for M/s Alembic Ltd. (Vadodara)**

A DAS for monitoring the status of Power supplied from Electricity Board and consumed by Process Plants. Data is obtained from Energy Meters and Potential-free Contacts from Breakers and Isolators of two sub-stations.

Features: Modbus RTU Protocol, Dynamic Schematic showing status of Power Grid, Dynamic Reports & Graphs

#### **Data Acquisition System Software for M/s ADI (GIDC Vadodara)**

An application that interfaces with upto 247 multi-channel field devices, and stores the readings with a timestamp. A real-time graph of the readings is plotted. Facility to configure field devices in real-time from the application, configuring alarms and set-points real-time remotely, comparison of multiple parameters by graphs or tabular readings, Historical Graphs and Reports, Virtual Channels

Features: Modbus RTU Protocol - RS485 / 232 - Real-time Data Read / Write - Live Graph / Trend - Live Readings - Alert Indication - Graphs and Reports

#### **Process Control Software for Chemical Process Plant (Vadodara)**

Software for Monitoring of Chemical Process Plant, interfaced with PLC. Various Process Parameters are monitored, Device Control through PLC via Software, and custom Graphs & Reports are generated.

Features: Data Logging from PLC through OPC Server / Client Configuration, Device Control from Software, Dynamic Reports & Graphs

#### **Estate Management System (Web Application) for S. P. University (V. V. Nagar)**

Web Application for Estate Department of Sardar Patel University (Vallabh Vidyanagar) for maintaining & monitoring various functions of the department.

Features: Online Booking Status of Guest Houses, Auditoriums, Quarters - Inventory Control - Maintenance Management

#### **Inventory Management System (Web Application) for M/S Ply Decor (Vadodara) [www.plydecor.com]**

This application covers the complete Inventory Control, Billing, Tax Calculations and Purchase functionality for an organization, with customized MIS Reports.

Features: Web-based Inventory Control - Tax Calculations - Billing - Barcode Implementation - Purchase

### **Maintenance Management System (Web Application) for M/s Steelhacks Industries (V. U. Nagar)**

Web Application for Management of Maintenance Operations for the Organization. Facility to manage Warranties, AMC, Root Cause Analysis, etc.

Features: Web based Application, Client - Employee - Organization - Dealers - Products - Faults - Complaint Registration - Assignment - Resolution - Alerts for AMC & Warranty

### **Website cum CMS for Various Clients**

We have provided comprehensive Websites and Associated Content Management System (CMS) Modules to a number of our clients. The salient features of our Website-cum-CMS package are:

- Innovative yet Simple and User-friendly Website Design
- Intuitive Navigation and Menu Design
- Various modules like News & Announcements, Event Calendar, Newsletters, Careers, Photo Gallery, Live Video Streaming, etc.
- Secured CMS
- Facility to manage multiple Website through single CMS

Website-cum-CMS developed for the following clients:

- Amar Cars Pvt. Ltd. [[www.amarcars.com](http://www.amarcars.com)]
- CHARUSAT Changa [[www.charusat.ac.in](http://www.charusat.ac.in)]
- Zydex Industries [[www.zydexindustries.com](http://www.zydexindustries.com)] (Maintenance)
- Akhand Construction [[www.akhandconstruction.com](http://www.akhandconstruction.com)]
- PrintPro Digital [[www.printprodigital.com](http://www.printprodigital.com)]
- Kiran Patel & Co. [[www.kiranpatelco.com](http://www.kiranpatelco.com)]

### **Promo Codes (Web Portal for Online Coupons) for M/s Shrushti Web Solutions [[www.freshpromocodes.com](http://www.freshpromocodes.com)]**

A Web Solution comprising of a Web Portal, a CMS and a web application integrated for Promotional-Code Management for various merchants and products. Visitors to the portal can avail coupons, provide feedback, and rate the coupons.

Features: Website Design - CMS Application - Coupon Rating

### **Timesheet Management System**

Software for maintaining & monitoring utilization of workforce, time spent on projects, etc. Can be interfaced with various biometric devices.

- Timelog for Employees
- Measurement of Time spent in Billable / Non-Billable and Investment Activities
- MIS Reports - Progress in Projects

### **Website cum Web Application for DHASOL (UK) [[www.dhasol.co.uk](http://www.dhasol.co.uk)]**

DHASOL (Dharmaj Society of London) is one of the prominent communities in the UK and comprises of people having their roots in Dharmaj Village in Gujarat. The project involved providing a new look to their website, and loading it with useful features like – Online Directory of Members, Online Registration Facility, Matrimonial Directory, Community Blog, Newsletter, etc.

## **7.2 Products**

### **ERP (Web Application)**

This application covers all the functions required in the running of an Industrial Unit like:



- Organisation Structure
- Inventory Management
- Purchase and Sales
- Asset management system
- Project & Production Management
- HR Operations
- Accounting System
- MIS Reports

all integrated to form a comprehensive package. The structure is modular and can be customised as per the client's needs. Integration of BarCode Generation and Reading is provided in the software.

### **Educational ERP (Web-based School / College Operations Management Software)**

This application covers all the functions required in the running of an Educational Institution like:

- Students Registration
- Fee Collection
- Result management
- Students' information tracking
- HR Management
- Payroll System
- Asset Management System
- MIS Reports
- Students Admission
- Students' Attendance
- Result Analysis
- Library Management
- Staff Attendance
- Unique employee information tracking system
- Time-table Management System
- 

### **HRO (Web-based Human Resources Operations Software)**

A two-level Web Application, which handles HR Operations of multiple organisations. Built with the SAAS Model in consideration, the Admin Level provides facility to create new user accounts and client accounts, and the management of users and clients and users' rights. The Client Level provides functionality to handle all HR Operations. HR Operations include Recruitment, Training, Payroll, Performance Measurement, Exit Management. Numerous reports make the software insightful.

### **MIMS (Medical Institute Management System)**

Provides the complete software solution for a Medical Institution consisting of a Hospital and attached Medical College. It covers many aspects of Front-Desk Operations and Back-Desk Operations for a Hospital, and the operations associated with a Medical College.

### **ANUMAAN (Building Construction Estimate Generation System)**

This application is developed to help professionals who prepare estimates for construction of civil engineering structures. The application carries out calculations on the inputs and provides various reports (including the Tender Document) as outputs. SOR-based and non-SOR Based Tenders can be generated.

### **Geo Location Tool**

This is a mobile-based position tracking tool that can be used to track the location of an individual.

### **Weather Widgets**

These weather widgets can be integrated within a website to provide weather forecast for any location.