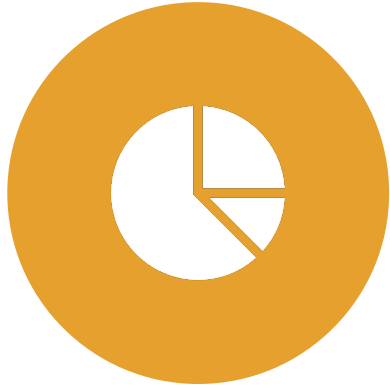# Silicon Solutions

ROBOTIC PROCESS
AUTOMATION

HEALTH CARE
SOLUTION

WEB & MOBILE APPS.

Our Expertise

The team consists of software experts with each having experience more than 20+ years of in different Functional domains like

- ✓ Ship Management System
- ✓ Mobile Apps
- ✓ eCommerce
- ✓ Healthcare
- ✓ eGov
- ✓ Trade Compliance

In addition the team has the following management and process expertise

- ✓New Product Development
- ✓Setup new development center/teams
- ✓Multi location Software development
- ✓Development using recently developed/developing technologies and tools
- ✓Setup QA, PMO processes and tool to support and improve Productivity and Quality

Technical Expertise

➢ Microsoft Technologies/Products
  ➢.NET, SQL Server, Sharepoint, Azure

➢ Robotic Process Automation
  ➢UIPath, Blue Prism
➢ PHP
  ➢PHP, JavaScript, CSS, jQuery, PSD to HTML, Frontend, Development, WordPress e-Commerce, Magento 2, Magento, CodeIgniter

➢ Mobile App Development
  ➢iOS and Android

➢ Content Management System
  ➢Kentico, Wordpress, Joomla

Solution we offer

➢ Analyse & Recommend Tool/Technologies, industry best practices to existing software

➢ RPA enabling solutions
  ➢UIPath, Blueprism

➢ Cloud enabling existing solutions
  ➢Azure , AWS

➢ Developing next generation/new version of your product.

➢ Offshore Maintenance and Support
  ➢Reduce maintenance and support cost upto 60%

➢ Port/migrate software to new versions or new product

Sample Reference Work

Kentico based Bank Digital Platform

Online Citizen services using e-District and SSDG of an Indian State

.Net based Health Care App

Trade Compliance Software
    Setup QA processes and Automation Tool,
    Product development & PMO processes and tools

Next generation Ship management Product

Online Car parts ecommerce

e-Learning solutions, Event Management, online appointment, Tele caller Management system

Project Approach

RIGHT FIRST TIME
REDUCE CYCLE TIME

Team

➢ Balvinder Singh   linkedin.com/in/balvinder-singh-7a97866
  ➢PHP, Salesforce , RPA(UIPath and Blueprism)

➢ Kundan Singh   linkedin.com/in/kundanpro
  ➢Product Engineering, Microsoft Technologies, Mobile App

➢ Vivek Gaur   linkedin.com/in/vivek-gaur-a45b024
  ➢Product Engineering, RPA(UIPath and Blueprism), Business Analyst QA, Mobile app

Healthcare

TeleHealth App

➢Telehealth mobile app
  ➢ On Call Physicians work in shifts at various times during off hours, during the weekends and on holidays.
  ➢ Physicians need to receive the patient requests, keep track of the diagnosis and medications given and inform the hospitals of the treatment and update the PHR.

➢Solution
  ➢ A hybrid iOS and an Android app using native Java and Swift with the hybrid parts in Angular SPA and the backed in .NET Core 3.1 and SQL Server 2017 hosted on Azure Cloud.
  ➢ The solution was to enable Doctors to call within the app. The patients would received the calls directly on their phone in the browser without the need to install any app, thus making for a seamless experience for the Doctor and a no hassles consulting at the patient side.

➢Twilio VOIP calling and SimpleWebRTC Video Calling capability was used to enable Telehealth capabilities. Twilio call recordings and IBM Watson high accuracy transcription provided the medical details. Integration with EPIC for patient details was done using HL7 STU3 protocol.

➢The various modules are Physicians On Call Mobile App in iPhone and Android, Hospital & Clinics Portal, Patient Self Service Portal, Patient Call Center Portal, Integrations with PHRs and On Call Third Parties.

Pre Surgery BOT

➢ An automated process for pre-surgery screening of Patients and for filling forms and questionnaire before a visit to the hospital.
➢ The process needed to be simple to use so that it could be utilized by patients in a wide age group. A
➢ The process has to cater to the abilities of differently abled patients.

Solution
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- ➢ The solution was to enable Doctors to call within the app. The patients would received the calls directly on their phone in the browser without the need to install any app, thus making for a seamless experience for the Doctor and a no hassles consulting at the patient side.

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Content
Management
Solutions

Kentico Bank Digital Platform

➢ A prominent bank chain in Australia wanted its 4 Banks branches to provide customized websites for its customers.

➢ Kentico CMS a Digital Experience Platform used to create digital experiences across channels using Content Management and Digital Marketing.

➢ Kentico using the multisite capability.

➢ Responsive Website

➢ Key Solutions
  ▪ Bank Information
    ▪ Various features and options provided by the banks for the Accounts, Loans, Deposits, Mortgages, Forex, Exchange, etc.

  ▪ ATM Instructions Portals, Merchant POS Terminal Portals for Merchants, and Merchant POS Terminal Portal for Customers.

Mircosoft Technologies

Automated Parking System

➢ A Self service system for Shopping Mall visitors to purchase car parking tickets.

➢ At the entrance to the car parking of the mall, the driver could use their mobile app to buy Parking e-tickets. During the mall exit, the e-ticket would be paid in-app using various payment methods such as e-wallets, stored credit card or bank info. Features were available were to buy monthly pass at discounted rates and also multiple passes for several cars at the same time.

➢ The backend API for this application was created in ASP.NET, and the admin console was created in ASP.NET MVC. Native apps are in iOS Swift and Android Java.

➢ The backend was used to push discounted rates for parking tickets during the off peak hours and during off season.

➢ Deals and promotions running in the mall are also available in the app for easy reference.

➢ An indoor map of the parking is available in app with option to tag the car parking location, so that when the user returns back after shopping then a map is available to show the way to their parked car.

➢ The various modules that are created in the project are Mobile app for iOS and Android, Attendant based Car Parking ticketing module, Reporting Module, Basic Account Reporting Module, Deals and Promotions.

Website & Mobile Apps

Teacher Planner Application

Details of functionality Features

➢ User access functionality to operate & Create Plan
➢ Interfaces to add course detail, course type, course information
➢ User can add detail of its
  ➢ Course
  ➢ Assignments, homework,
  ➢ teacher's information.
➢ User can edit its
  ➢ Schedule,
  ➢ Rearrange according holidays
➢ User can change color of sections of course plan.
➢ User will be able to see its week and day schedule
➢ User can create pdf of plan and mail it. This plan will be of both type day & week based.
➢ User can save and retrieve its structure to drop box from app.
➢ Time Management of tasks defined in Plan
➢ Mail Functionality to use
➢ Print Functionality to User
➢ Availability to Subscribed user
➢ Attachment of Files and web links

RetouchThePhotos.com

RetouchThePhotos is a graphic design and photo editing IT-Farm based in Tanjong Malim, Malaysia.

RetouchThePhotos Digital Photo Editing Services has been providing high-quality professional image editing and digital photo repair and restoration services for more than 12 years.

Details of functionality Features

➢ Advanced color correction
➢ Clean skin (use clone stamp tool with the highest zoom for non-destructive natural skin)
➢ Blemishes removal and enhancement
➢ Skin tone matching
➢ Dodge & Burn with advanced technique
➢ Lips & Teeth correction
➢ Refine, Simple Reshaping
➢ Crop, Resize, Lens correction

Micro JOBS

Key Requirements:
➢ Post your job for free in 5 minutes
➢ Fixed price or hourly terms.
➢ Specific skills, cost and schedule requirements.
➢ Chat in real-time
➢ Compare proposals and select the best one
➢ Browse Micro Job profiles
➢ See how companies are rated by employees
➢ Review your employer.
➢ Paypal and Credit debit card are used to pay a payment to worker.

Solution:
➢ Micro Job is always free to post your Jobs.
➢ Client Is Post Your Job here.
➢ Show the Workers List.
➢ You post your job only 24 Category ss required in this Application.
➢ Client select any one category and post your job
➢ The Worker Select Any Kind Of category and see the list of jobs and worker is apply to the job.
➢ Show the distance between Client and User on Map Screen.
➢ Show the status for your job Currently Working.

Technology:
Xcode 7.2, Objective C, Php, MySQL

Dating App

Limeet dating app is a very unique dating app which connects your connections with you whenever you are available to chat with them. this app is specifically designed to user friendly idea that here you can request for chat with particular person and if that person is available and interested to chat then he will chat with you otherwise your connection with him will be time out.

Key Requirements:
➤ User friendly chat
➤ User can select if he want to chat or not with particular person
➤ Facabook connectivity with app
➤ update his profile like picture etc

Solution:
➤ Limeet app provide user friendly chat to its users with good user interface
➤ Limeet app provide Time Out feature in which if user not respond to your chat request within specific time period then chat will be time out automatically
➤ Limeet app provide you easy login using your facebook login credentials you can login to limeet app easily
➤ user can update his profile
➤ Student can search for instructors in a postal code and filter the list down to the choice he/she wants.
➤ Student can choose from the packages offered by customer or make a counter offer, which instructor can accept/negotiate.
➤ Students can pay through Paypal online

Technology:
Technology used: Facebook integration,Sqlite,php,mysql,web services
Xcode 7.2, Objective C, Php, MySQL

Product Engineering

Ship Management

➢ Merchant Navy transport Ships are the worlds largest and vast pieces of machinery that can contain 500 to 25,000 independent pieces of machinery based on the type of ship such as Container, Tanker or FPSO. The service schedules of this machinery are complex, and have to be maintained along with the work done history, within compliance with the Marine laws and regulations that are applicable from time to time and for the countries.

➢ Product Developed had the following modules
  - Planned Maintenance System, Electronic Forms,
  - Crew Management System, Safety Health Environment & Quality, Document Management System
  - Vessel Tracking, Voyage Planning,
  - Inventory Management, Procurement and Fleet Management.

➢ Integrations with industry standard software for Accounting and Purchasing e.g Microsoft Dynamics AX, Navision, Quick Books, Star Accounting, DNV Eco Insight, etc

➢ The project is created in Microsoft ASP.NET MVC and SQL Server as the tech stack. The Product is now running in over 1400+ ships that are running all over the world.

Export Import Compliance software

➢ Export Import compliance software being used by 300+ client had the following challenges
  ▪ Improve productivity and quality of the teams based in India and USA.
  ▪ Add Mobile solutions

➢ Product planning of client specific patches, monthly and annual release
  ▪ Evaluation, Recommendation and implementation of Tools and Process for Product planning, monitoring and reporting.

➢ Defining QA processes for multi-location, multi-environment and multiple servers to reduce the cost of development and improve quality.
  ▪ Ensure compliance to QA processes by different team in USA and India.
  ▪ Metrics based QA compliance and improvement
  ▪ QA automation, using Selenium, roadmap and development of QA scripts.

➢ Mobile and iPad roadmap of the different modules of the product.
  ▪ Started the Watchlist screening and VMS modules.

eGov

Citizen services through eDistrict

➢ High volume Citizen services delivered at the District level through the Common Service Centre available locally in the community

➢ Front end generated through a Form Builder
➢ Citizen Request directed through SSDG(state service delivery gateway)
➢ Back end can be manual or integrated with the department software application

➢ SI Vendor Selection, Consultant Selection
➢ User Discussion, Presentation, Signoff
➢ Pilot in two districts, included visiting the local Tehsils for Req gathering,
➢ Signoff by IT department of state and department heads and District collectors.
➢ User Training

Thank You

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