# EXECUTIVE SUMMARY

A determined, passionate and techno-enthusiast with over 13 years of experience with proven track record of delivering the business and technology solutions as per client expectations. Completed post-graduation (M.C.M) and instrumental in working closely on Microsoft platform across .NET technologies. I always believe in consistency and core belief is that “every problem has a solution”. I have an experience of developing and managing Product base applications as well as services. Recently I have been working to upgrade my knowledge by learning new technologies like android programming.

# EXEPRIENCE SUMMARY

**BytzSoft Technologies Pvt. Ltd. Project Manager Aug 2005 – till date (12+ years)**

**Key responsibilities are:**

1. Manage services department, which includes client interaction, understanding client queries, suggestions and enhancing and maintaining the projects; Identifying the areas having scope for better performance in terms of automate the functionality for user friendliness, pre-fetch analyzed data for simplifying user decision process and searching for new .net based technologies and implementing for improvising the system.
2. Responsible for managing a team of 5/6 members (on & off), which includes: conducting a day meeting, distribution of tasks, discussions(on allotted work),passing client requirements to team member, passing new techniques to the developers and testers), technical guidance and coordination to achieve the tasks
3. Managing clients’ their project activities, follow-ups in case of idle use, renewals & reminders, was looking for new clients, was handling new client’s inquiry, online demos, follow-ups for converting inquiry into order, training to new clients, online / onsite etc.
4. In terms of new projects I was performing analyzing of new project requirements, discussions, designing database structures, deciding system flow, deciding business objects, task distribution, and implementation.
5. Managing cross department coordination for implementing new functionalities.
6. Coordinating with Account department for deciding pricing module, clients’ payment and invoicing.
7. Interacting with vendors like Service providers, hosting server provider, SMS provider.

**Technology Stack:**

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| --- | --- |
| * .Net framework, ASP.net / VB.net, CSLA.net framework | * SQL Server, MS Access |
| * Crystal Reports | * MSChart, OWC, iTextSharp, DayPilot |
| * Web service / Windows service | * HTML5, CSS3, JQuery, JavaScript, VBScript |
| * Quartz.net (task scheduler) | * Knowledge of Android, Eclipse |

**KEY PROJECTS MANAGED**

**FDTL Management Systems (for Flying & Cabin crews – Aircrafts& Helicopters)**

**Role:** Project Manager (responsible for managing team of 5 people 3 developers + 2 testers)

**Technologies used:** .Net framework 4.0 (ASP.net, VB.net), AJAX, CSLA.net framework, developed Web & Windows services.

**Database:** SQL Server 12

**Others:** MS Chart, Day pilot control, iTextSharp, SMS APIs, JQuery etc.

**Duration:** Since 2011 till last date

**Project Brief:** This web-based System keeps track and manages the duty hours of crews as per the duty limit specified for Crews by civil aviation regulatory for different countries. Users or clients base of this system are those non- schedule operators who operates charter flights for their directors or those operators who rent a charters or for those who has passenger licensing. Main functionality of this system is to managing the crew’s duty hours as per the set duty limit rules. System is capable for handling the rule set for both flying crews and cabin crews for domestic and international standard. System is incorporated with both the rule sets defined for charter Aircrafts & Helicopters.

Apart from tracking and managing duty and flying hours of crews and alerting the concern authority and crew regarding violation if occurs, system has a functionality where operators can plan flights for next predefined period. Operators can assign a flight duty to a crew on a specific scheduled flight. Operator can verify the violations against the defined rule set before allocating a crew. System does the predefined check to show the list of available / not available crews, which helps operator to decide the right crew to assign. System also tracks the duties other than flight duty like positioning, transportation, Administrative work, Weekly Off, Leaves etc.

Also, system manages and tracks the crew records & documentations, trainings, checks etc. System has facility for a mail alerts and a SMS alerts on any document expires, training gets due or flight duty allotted. Various types of dashboards, graphical & list reports are made available for duty history, flight plans, for track violations, and for alerting training & document due or expiry reports etc.

## Key Responsibilities:

* **Phase I:** Leading involvement in requirement analysis, Database designing, Project designing, system flow, and implementation, development in .net 3.5v. Client training and interaction withclient for query, new requirements and support. Hosting and managing hired server
* **Phase II:** Upgraded the system in .net 4.0v. Apart from this, engaged in client support& training, continues system enhancement and up gradation process in terms of functionality and technology; developing plugins, web service as per the client requirement. Developed and enhancing Panel for managing clients’ subscription expiry, renewal schedule, tracking client activities, different mail

and SMS alerts etc. And developed and enhancing windows service for periodical mail alerts for renewal reminders, crew training & document due or expiry etc., Implemented SMS APIs, managed SMS module.

## Phase III: Go Mobile

* + **Developed Mobile** web site with basic functionalities using JQuery mobile for in house evaluation.
  + Coordinated with mobile application Development Company (outsourced) to develop applications in Android and iOS version. Where my role was to provide requirement, UI designs, UI navigation, finalizing wire-diagram, exposing web service as per functionality (i.e. web methods with JSON output format).

# Safety Management System

**Role:** Project Manager (responsible for managing team of 5 people 3 developers + 2 testers) **Technologies used:** .Net framework 4.0 (ASP.net, VB.net), AJAX, CSLA.net framework **Database:** SQL Server 12

**Others:** MS Chart, Day pilot control, iTextSharp etc.

**Duration:** Since 2005 to 2011

**Project Brief:** This small web based systemis designed for the aviation based organizations to manage safety related activities carried out, like maintaining the safety related records i.e. Hazard reporting, corrective actions, Safety audit, Safety policies etc. Also it manages and keeps a record of safety related events, like, seminar, training, outdoor visits etc. Informing employees for planned event through mails, noting down feedback of the events can be maintain.

Main purpose of this system is to manage and keeps records safety related activities, policies, hazard for future reference purpose. Also, it can be useful with respect to safety audit. This system tracks the safety trainings required to do by the employee. System send alerts them as and when trainings get due.

Different types of aircraft checks are made mandatory under safety audit. System has facility to maintain the records for all such checks.

## Key Responsibilities:

Leading involvement in requirement analysis, Database designing, Project designing, system flow, and implementation, development in .net 3.5v. Up graded the system in .net 4.0v.

Client training and interaction with client for query, new requirements and support. Hosting and managing hired server

# FlyPal - Inventory management and maintenance system

**Role:** Sr. Programmer

**Technologies used:** .Net framework 4.0/3.5 (ASP.net, VB.net), AJAX, CSLA.net framework

**Database:** SQL Server 12

**Others:** MS Chart

**Duration:** Since 2005 to 2011

**Project Brief:** This system is divided into two major modules, one is inventory management and second one is tracking aircraft maintenance.

Users or clients base of this product are majorly non-schedule operators who maintains their aircrafts in their own hanger with trained and licensed maintenance resource. Also, the organizations, like MROs are the users of this system, who work professionally for maintaining the aircrafts of their customers.

This system manages the inventory or logistic based activities generally required in aviation industry. Inventory management involves the activities like placing order, receiving and issuing parts for the aircraft maintenance purpose as defined in the work order. System also manages the invoicing of ordered stock which helps to show actual valuation of available stock at any given time. All other logistic related functionalities like placing requisitions, creating work order, inquiry, and quotation are also the part of this system. Other than all these, different types of statistical and MIS based reports are made available into system, like alerting minimum reorder level, stock management, store level valuation reports, vendor based statistic reports, parts utilization trend etc.

Second major aspect of this system is tracking and alerting different maintenance activities need to carry out on the aircraft to keep it serviceable. All the major assemblies and components comes up with its life in hours, along with instruction manual for servicing, inspection, overhauling and its periodicity defined by its manufacturer. Following those instructions and replacing a component as per the life defined by manufacturer, is highly mandatory with respect to getting clearance for licensing from government civil authority. Failed to this may causes big impact on the serviceability and operating licensing of operator. After every flight done, system increases the life of each component and calculates are there any servicing, inspection, overhauling dues before commencing next flight. Different types of reports like Due reports, maintenance history reports, C of A report are made available for information purpose in custom and authorized formats.

## Key Responsibilities:

* **Phase I:**
  + Involved in the analyzing of existing VB5 based system, identifying drawbacks, database restructuring. Planning for system redesign in new .net technology (VB.net 3.5 -standalone).
  + Played a key role in understanding and Implementation of OOPS concept using new CSLA.net framework.
  + Performed onsite installation and client training, client interaction / support.

## Phase II:

* + Re-developed the same standalone system to web based system (ASP.net 3.5 / VB). Involved in identifying web based aspects, changes planning, database enhancement, designing web based flow, implemented OOPS concept using new CSLA.net framework in web based application.
  + Performed onsite installation and client training, client interaction / support.

## Phase II:

* + While handling FDTL system Identified the changes required for upgrading same 3.5 based web system to 4.0v. Implemented the changes and coordinate the FlyPal team for implementing the same in entire project. Also, Implemented AJAX for improving performance. Identified the areas and implemented the changes for improving database performance
  + Recently I was coordinating with FlyPal team for new enhancements as and when required

# Other Projects Domain: Pharmaceutical / Role Project Manager

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| **Client** | **Type of application** | **Technology** | **Brief Summary** |
| JadePharma | Standalone | VB.net 1.1 |  |
| JadePharma | Web based | ASP.net 3.5 | Online system for order processing |
| JadeOnline | Web based | ASP.net 3.5 | Web site for online customers |
| JadePharmaService | Web Service | ASP.net 3.5 | Web service for customer to manage online orders |
| BBGService | Win. Service | ASP.net 3.5 | Uses customers’ order using their web service |
| JadeOffline | Win. Service | VB.net 3.5 | Synching service between main & online database |
| DirectSourcePharmacy | Web based | ASP.net 3.5 | Affiliate program |
| JadeASPL | Web based | VB.net 1.1 | Aviation based product Inventory system |
| Penosh Services | Web based | ASP.net 3.5 | Fleet Management system |
| EPMS | Win. App | ASP.net 3.5 | Guest Management system |

**Other Projects Domain: Pharmaceutical / Role Project Manager:** Most of projects are developed using CSLA.net

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| **Application** | **Type of application** | **Brief Summary** |
| Product Registration | Win. App | Licensing Management System (Enhancing) |
| Client Verification Service | Web Service | Client Licensing Tracking System |
| Change Control Mgt. | Web based | Changes Tracking System |
| Support Portal | Web based | Online Support Ticketing System |
| Auto DB Backup Service | Win. Service | Database Update Management System (SQLDMO) |

# EDUCATION

* MCM from North Maharashtra University
* B.Com from North Maharashtra University

Kalpesh P. Shah