

EXECUTIVE SUMMARY:

Experienced software professional with more than fifteen years of experience in a range of roles. My core area of expertise is project management, salesforce developer and other cloud technologies with 2X salesforce certification and 1X certification in AWS and GCP. Passionate professional with a creative result-oriented attitude.

Few highlights of my managerial capabilities are:

- Responsible for working with customer, practice heads, business analysts, developers and stakeholders for requirement gathering, requirement analysis and design, implementation, integration of effective salesforce.com and force.com solution.
- Conception, designing and implementation of customer-specific projects based on Force platform.
- Also support in pre-sales activities and reach out to customer to emphasize solution based on salesforce technology, showcase proven expertise in planning, executing and spearheading various projects as per their needs. Have a customer first mindset.
- Very effective project manager- my communications skill, insights on the problem statement, analytical thinking and deep understanding of the platform are my strengths.
- Interact seamlessly with the PMO office to track billability of resources, utilization, margins, hiring and onboarding for my team.
- Support the development of proposals (in response to RFPs, RFIs and TaskOrder), plan and manage Statement of Work and T&M projects including estimation of effort/cost.

Main highlights of my technical capabilities are:

- Experience in Administration, Development and Implementation of Salesforce.com apps
- Experience on Apex Programming, Apex Triggers, Visual force pages and Lightning web components.
- Hands on experience in salesforce declarative automation tools such as validation rules, process builder, flows as well as developing Apex triggers. Also have experience in Reports and Dashboards.
- Created Users, Roles, Profiles and Security Settings based on Role Hierarchy.
- Contribute to knowledge management activities and promote best practices for project execution.
- Developed a multi-skilled team of mechanical engineers who can use, customize or develop salesforce apps.
- Ability to analyze, quick decision making and coming up with an efficient industry standard solution for a given problem.

ACTIVE CERTIFICATIONS:

- Salesforce Certified Admin
- Salesforce Certified Platform Developer I
- AWS Certified Cloud Practitioner

EXPERIENCE:

Organization	Tenure
Mahindra Satyam Computer Services Limited (MSat)	Jan 2008 to May 2011
Altran Technologies India (ATI)	Jun 2011 to Aug 2013
Tech Mahindra (TechM)	Sep 2013 to Apr 2019
HCL Technologies (HCL)	May 2019 till date

TECHNICAL SKILL SET:

Salesforce Technologies	Salesforce Apex, Apex Triggers, SOQL, SOSL, Apex Classes/ Controllers, Visualforce Pages/Components, Workflows, Custom Objects, Email Services, Reports and Dashboards.
Salesforce Tools	Force.com IDE, Force.com API tools (Data Loader)
Languages & Technologies	Apex, SOQL, HTML, Visualforce, Force.com, Flows, Visualforce, CSS, Java, GIT, AWS
Scripting Languages	Java Script, Visual Basic
IDEs and Editors	Eclipse, Visual Studio Code

ACADEMICS:

2001 - 2005: B.E. in Mechanical Engineering

- Consistent performance throughout and graduated with distinction (75% aggregate).
- S.J.C.E, Mysore, India (Affiliated to Visvesvaraya Technological University (VTU))

EXPERIENCE DETAILS:

In my current role, I am leading the initiative of driving adoption of cloud technology, especially salesforce solutions in various mechanical and aerospace applications for our clients. Being in the engineering service industry for 15 years, I know the current legacy practices in depth and realize the scope of adopting disruptive new technology like salesforce. I am uniquely qualified as I have a very good understanding of mechanical processes/ projects and can also do hands on configuration and development in salesforce environment. So, I am heading the group tasked with interacting with clients, explaining benefits of salesforce-based solutions and help them to migrate their legacy mechanical applications. For pilot projects, I work closely with the customer and work hands-on and complete it. For larger projects, I split my bandwidth in managing the team and executing the project. We have helped our customers embrace salesforce for various projects and improve efficiency ranging from 15% to 50%. I also interact with leadership team to give updates on the same and work closely with them to grow this practice further. Below are some of the key projects which I have executed.

Product Tipping Simulator for Home Appliances as per Regulatory Certification Requirement

HCL Technologies

A Swedish multinational home appliance manufacturer needed an application for a tipping simulator to support the regulatory test qualification. HCL proposed and executed the same on force.com platform with a reactive user-friendly app and realized benefit of 20% shorter development time.

My responsibilities:

- Generating the mathematical model of simulator and designing the custom objects for components
- User and role creation for the users.
- Custom object creation for each physical component with appropriate validation rules. Define relationships between the objects.
- Implement the simulator logic using flows and Apex classes
- Apex triggers for roll-up summaries to update after record update.
- Develop custom Lightning Web Components for the user input fields and simulation settings
- Generate reports and dashboards for the result of the simulation

Migration of legacy excel based structural strength calculations to force.com app

HCL Technologies

Analysis of aircraft structural parts follow a very strict pre-defined flow of calculations to be certified. All these calculations are inherited and maintained in excel files and VBA macros. With thousands of parts being analysed for tens of thousands of scenarios and for different types of analysis, the file size and count becomes very difficult to manage. HCL developed an app to incorporate all these calculations and scenarios in force.com.

My Responsibilities:

- Conceptualized the complete approach and impressed upon the stakeholders the benefits of migrating to force.com app.
 - Facilitate Agile/Scrum meetings and served as the scrum master (using agile tools JIRA) to oversee internal developer's issues.
 - Built a team for developing and testing of this app with a mix of both salesforce professionals and salesforce training mechanical engineers.
 - Defined the schema for all the physical entities such as materials, forces, env conditions, failure modes, properties, type of analysis etc.
 - Reproduce the pre-defined calculations in force platform using flows, triggers and apex classes
 - Define security for different users and the analysis applicability using OWD, profiles and sharing rules.
 - SOQL to query the critical calculation to process immediately and use asynchronous apex to schedule non-critical calculations for nightly batch.
 - Lightning web components for multiple objects in a page with effective inter-component communication for a user-friendly aesthetic interface.
 - Trigger email notification based on certain criteria such as failure in any critical part or change in material properties.
 - Lightning messaging service was used for common or intermediate data between analysis.
 - Detailed HTML report generation containing all the important information after all calculations are completed.
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Migration of legacy excel based structural strength calculations to force.com app

Tech Mahindra

Tech Mahindra was the service provider for handling supply chain activities for a major American aircraft manufacturer. We were coordinating tens of thousands of parts, 40 suppliers across the globe for the client. Manufacturing of each part consists of a minimum of 14 processes and in a particular sequence. The data was maintained verbally, in different excel files or legacy application by each supplier in their own format and hence progress status and concerns and risks were not communicated to the client effectively. Tech Mahindra developed a common salesforce app which was used to effectively handle the manufacturing process routing with adequate notifications to the stakeholders within in the supply chain activity. In addition, the developed app was also used for other Supply Chain Functions such as PFEP monitoring, Capability and Capacity Assessment, etc.

My Responsibilities:

- Create the custom objects for part, routing, station, status and stakeholders
- Facilitate Agile/Scrum meetings and served as the scrum master (using agile tools JIRA) to oversee internal developer's issues.
- Security rules to isolate each supplier with different profiles
- Liaise with supply chain experts to understand the routing and manufacturing processes to replicate the same using flows, triggers and apex classes

- Send notifications to appropriate stakeholders such as process owner, supply chain manager based on the triggering event
 - Trigger an email to shopfloor manager if the station is free so that he can edit the plan to increase the utilization.
 - Chatter community for communication between all the stakeholders
 - Integrations with QR scanner in the works
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Invoice application for a manufacturing company

Tech Mahindra

This app was used to generate invoices for a mid-size manufacturing company. This app allows user to generate an invoice manually for single or multiple parts that are shipped and received. The invoice PDF is generated and automatically sent to the customers with the contact details. This app also maintains the receivables, send the summary report to the sales team on every Tuesday. The A&R team can update the payments against invoices followed by the approval process and the app automatically maintain payment status and customer balances. This app automatically sends reminder dates to customers.

My Responsibilities:

- Creation of New Objects for this application and make this application available for Lightning.
 - Creation of LWC for displaying list of billable projects.
 - Creation of LWC to search a project in the list.
 - Creation of flows to send notification and update the status once the payment station is updated.
 - To automate this process, we have created Batch Class for same process and scheduled.
 - Creation of validation rules for remainder dates maintenance.
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Task Management for a small size logistics company

Tech Mahindra

This Task Management app makes agents fast & efficient with built-in best practices around handoffs from one point to another through checkpoints. Make product receiving run smoothly every time by using cloneable project templates, repeating tasks & automation, and powerful reporting. Manages the project schedule by tracking the progress and sending timely notifications.

My Responsibilities:

- Creation of New Objects and fields for this application and make this available for Lightning.
- Creation of Tabs and definition of roles
- Creation of Process Builder to automatically assign Team members to new project.
- Creation of validation rules, triggers and workflows.
- Creation of Flows for customer feedback

The first half of my career, I was focussing on mechanical projects- automation and process improvement in the same. I had developed a lot of excel based macros, automatic report generation, visual basic desktop applications, involved in HPC set up team which give me a good foundation to develop salesforce applications for mechanical stream. Following are couple of projects to highlight my experience.

Analysis and Certification Report Preparation for the Centre Fuselage Structural Assembly (CFSA)
Tech Mahindra

Location/Duration Bangalore/ 1 year 2 months (Nov 2014 till Dec 2015)
Tools MSC Patran/ Nastran, ISAMI

The scope involves the post MATC analysis till the certification report preparation. Tech Mahindra responsibility involves the calculation of interfaces between the Fuselage and the Belly Fairing Junction (BF-JCT), Lower Junction (LW-LCT), Lateral Panel Junction (LJP-JCT). GFEM/ DFEM are used to justify the intersections and Justification report with ACD4. Filled hole analysis, Unfolding, Edge Impact, Lug analysis is performed in ISAMI and strength checks are performed using MSC Nastran and Patran.

My Responsibilities:

- Complete responsibility of static analysis with a team size of 10
- Develop Excel VBA macros used for data extraction and analysis sheet preparation
- Track the inputs and the complete project progress to ensure timely delivery at each gate
- Prepare detailed quality checklist to perform QC to obtain maximum FTR
- Maintain Quality metrics, Progress Tracker, Resource Utilization Sheet, SQCDP chart

FE Idealisation and model check for aircraft/ satellite components
Altran Technologies India

Location/Duration Toulouse, Bangalore/ 7 months (June 2011 to Dec 2011)
Tools MSC Patran/ Nastran,
Languages VBA Programming, AWK

The project called for creation of FE models of various critical aircraft/ satellite parts with strict mesh prerequisites. Perform specific model checks required by the customer. I was managing a team of 4.

My Responsibilities:

- FE idealization of the geometry with suitable approximation and to customers specific requirements
- Renumbering, creation of interfaces, local coordinate systems as per the specifications
- Static and dynamic model checks and checklist preparation
- Created many VBA macros and AWK programs for some repeated tasks like rigid spider connections and interfaces and checklist preparation

Sizing and Validation of various components of the A350XWB-900 Rudder
Mahindra Satyam Computer Services Ltd

Location/Duration Beijing/ 22 months (Mar 2009 to Dec 2010)
Tools MSC Patran/ Nastran, Airbus Methods and Tools, ISAMI
Languages VBA Programming, PCL, ByPython

The scope of the project was design and analysis of the A350XWB rudder from MAT-A until the first flight. The stress team's activities included concept study, sizing, testing and validation, justification, certification among other tasks. I was actively involved in the stress activities from concept study up to data drop for manufacturing.

My Responsibilities:

- Worked on various components like Spar, Ribs, Actuator and Hinge fittings, Hoisting Points, Leading Edge, Trailing Edge, Global Fine Model creation/ updating at various stages like configuration study, sizing and validation
- For each concept of the rudder, analyze and provide the best configuration of the spar and ribs in terms of access hole position, stiffener type and position and stack up of the complete spar/ribs
- Interact with the design team and stress team, together arrive at a design which is both harmonized with the surrounding structure and is also manufacture-able.
- Preparation of validation reports after completion of each phase.
- Created 15- 20 useful macros/PCL programs which enhanced the efficiency by 40% and with lesser errors not only for the above mentioned tasks, but also generically used by the team.

Application of various optimization algorithms for engineering problem

Dept. of Aerospace, Indian Institute of Science, Bangalore (Computations INTelligence (CINT) Lab)

Location/ Duration IISc/ 20 months (Apr 2006 to Dec 2008)
Tools Matlab

The aim was to develop various optimization techniques with proper user interface to be applied for engineering problems such as composite lay-up optimization, load scheduling and travelling salesman problem. Various algorithms were studied and the appropriate were applied to many engineering problems.

My Responsibilities:

- Create generic models of various algorithms like Ant Colony Optimization, Particle Swarm Optimization, Genetic Algorithm and Neural networks and apply it for various engineering problems
- Published/ co-authored up to 10-15 technical publications in various national and international journals and conference during the tenure in IISc

Mathematical modelling of Helicopters

Dept. of Aerospace, Indian Institute of Science, Bangalore

Location/ Duration IISc/ 20 months (Apr 2006 to Dec 2008)
Tools Matlab, Simulink, MS Flight Simulator

This project was one of the foundations for building an indigenous helicopter simulator for training purpose. The long term aim of the project was to capture the input from the pilot via the joystick, calculate the flight path and give the visual feedback in real time. The scope of the project was to build a mathematical model of a helicopter which will be the core of the simulator.

My Responsibilities:

- Consolidate the literature and incorporate the data in modular fashion in matlab code
 - Create the simulink model of the same
 - Display the numerical output of the code as the movement of the helicopter in a simulated environment using various toolkits available in matlab
 - Create the interface between the joystick and the numerical model
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