

# Sandeep Khattar

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**19 years of Experience in Software Development, as a Solutions Architect having 9 years of experience in designing large scale Enterprise level distributed architecture solutions of Enterprise mobile/ Web systems using modern technology stack, cloud based solutions (Salesforce CRM, Hansen ICX), industry standard architecture patterns like Microservices, SOA, Event driven Architectures and DEVOPS. Designed and Delivered Technical Solutions for Media and Entertainment industry using Salesforce Vlocity, Fintech, BFSI, DTH, Telecom. Extensive Experience in Solutions Architecture and Design, Enterprise Architecture, Global Client and Technology partner engagement, People Management, Mobile Application backend architecture, Robotics, IT Strategy and planning for large IT Programs.**

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- 9+ Years of Experience as Solutions Architect, delivered large scale Programs/Projects as per Client Requirement using latest technology development practices like Micro Services, Cloud based Solutions, SOA, JSON, Event driven Architecture.
- Salesforce CRM Service Cloud integration and Custom Development for Contact Centers.
- OTT Applications Billing and Payment module using Salesforce Vlocity GoMedia OTT Streaming module
- 19 years of experience in designing large scale solutions using industry standard architecture for multiple domains – (Media and Entertainment industry, Fintech, BFSI, DTH, Telecom),
- Extensive 19 years' experience in Software development with Architecture and designing solutions for the enterprise systems and handling complete IT applications stack for Global Clients.
- Experience in Micro services, Java, Android Studio, IOS, Objective C, Python, Microsoft .NET, C++, Restful APIs, Oracle, SQL Server, NoSQL database (DynamoDB), Cloud based solutions using Amazon AWS, DEVOPS, Agile and Scrum Methodologies
- Designed and rollout connected HD Smart top box as a part of Internet of things solutions.
- Company SPOC for global clients, technology partners for designing flexible quality extensible solutions. Solutions designed are open for enhancements with minimum and no code change and are flexible for catering scalability, performance and high availability solutions.
- Well versed with Client Server, Microservices Architecture, Enterprise, Highly Distributed SOA based solution design & architecture concepts. Technical problem solver and ability to lead design & architecture of solutions to ensure business objectives are met, successfully played various technical roles – Senior Software Engineer, Technical Lead, Project Lead, Solution Architect.
- Over 11 years of proven track record of leading complex product engineering projects from inception to launch, building high performance team, inspire others to achieve goals through innovation, quality and excellence, customer centric, focused, committed, excellent interpersonal skills & ability to connect with senior leadership team.
- Led big team of team size 60+, Led IT integrations with partner companies (40 +) as a SPOC for deriving solutions, led cross functional teams. Experience in presenting the solution to senior management and client/partner teams.
- Experience in hiring and building large Applications teams, mentoring future leaders and their career path development.
- Well versed in creating and reviewing Technical Proposals, Technology Needs Assessment & Solutions, Business Requirement Documents, Services Agreement, information specifications, and project objectives
- Instrumental in setting up Mobile Application development division for Android and IOS platform.
- Proficient in Designing Solutions, Software development and delivery using industry standard OOPS, Design patterns, High Availability Architecture principles.

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## Skills

### Software Knowledge:

Primary Skills:

Technologies/Languages:

Android Studio, Java, XCode, Objective C, Swift, C#, ASP.NET, .NET Entity Framework, Web API, WCF, WPF, JavaScript, JQuery, ADO.NET, VBScript, VB6.0, XML, PL/SQL, T-SQL, HTML 4.0, HTML 5.0, C, C++, Java, UML, JSON, XML Web Services, Web APIs, JavaScript, Angular, SQL-PL/SQL, T-SQL, Android Mobile App Development, IOS Mobile App Development, Zachman Framework, Robotic Process Automation (RPA), Internet of things (IOT), AWS Lambda, Python, DEVOPS

Program Management:	IT Strategy, Program Management, Project Management, Team Management, Integration & Risk Management, Product Life Cycle Management, Software Development – Iterative, Waterfall, Agile Scrum and Product Support & Maintenance – L3/L4 Support Management, Integration, Business Intelligence, Continuous Integration, Continuous Delivery
Servers and Databases:	Oracle 12C, Oracle 11i, MS SQL Server, Active Directory, AWS, RADWARE (Load Balancer), DynamoDB, SQLITE , Azure, Docker, Kubernetes, Flask based Python Framework.
Operating Systems:	Windows Server 2003/2008/2012, ANDROID, IOS, Containers based deployments
Front ends/ Tools:	Microsoft Visio, Rational XDE, Enterprise Architect, TOAD 7.4, MS Project, Basecamp, BluePrism
<b><u>Enterprise application systems:</u></b>	

CRM Systems:	SalesForce CRM
Billing Systems:	ORACLE BRM Billing 7.x (Finance and Accounting), ICC Billing System V6.2, 7.0 (Hansen).
OSS:	Irdeto , Cisco, Conax, Verimatrix
OTT Integration:	Kaltura, Hungama, Netflix

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## ACADEMIC QUALIFICATIONS

<b>2001</b>	<b>M.C.A</b> from G.J. University, Hisar
<b>1998</b>	<b>B.Sc (Computer Science)</b> from M.D.U, Rohtak

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## Certifications/Training

International Certified Agile Ninja  
Project Management Professional Training

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## Achievements

Received rewards/Appreciation Certificates for successful rollout of Projects.

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## WORK EXPERIENCE

<b>Since Apr'09</b> Solutions Architect	<b>Videocon d2h Ltd, Greater Noida (Dish TV India LTD)</b>
<b>Oct'06 to Mar'09</b> Project Lead	<b>Satyam Computer Services Ltd, Gurgaon</b>
<b>May'04 to Oct'06</b> Lead Engineer	<b>HCL Technologies LTD, Noida</b>
<b>Jul'02 to May'04</b> Software Engineer	<b>Tele Atlas India, Noida</b>
<b>Jul'01 to Jun'02</b> Software Developer	<b>Samtech Infonet Private limited, Delhi</b>

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## PROJECT DETAILS

<b>Organization:</b>	<b>Videocon D2H Limited (Dish Tv India Ltd)</b>
<b>Designation:</b>	Divisional Head-IT
<b>Role:</b>	Solutions Architect
<b>Environment:</b>	ASP.NET 4.5,ADO.NET, Web services, JSON APIs, Integration, Windows Server 2008, Oracle RAC 11g, Java, Angular JS, Java Script, SQL server, Robotic Process Automation (RPA), Blue Prism, Internet of things (IOT), Android Studio, Java, IOS, Objective C, AWS, Azure, Python, AWS Lambda.
<b>Team Size:</b>	40 (Internal), 20 (Managed Service - Application Partner)
<b>Description:</b>	<ul style="list-style-type: none"> <li><b>Setup the internal Mobile Application Development and support vertical for developing and maintaining Mobile Applications for Android and IOS platform.</b></li> </ul>

- **Designed Architecture of App and Solutions to ensure high availability using industry standard architecture principles – Micro Services, SOA, Message based Event driven Architecture, API Gateway, backend for front end architecture.**
- **End to End Delivery of Mobile App Development using Android Studio, Java, IOS, XCode, Objective C, Swift.**
- **Design and implementation integration with multiple external and internal systems including enterprise based solutions like SAP, COTS product Hansen Billing Finance module.**
- **Architecture design leveraging Amazon AWS, Internal data center, security guidelines and design principles across all applications.**
- **Design and executed Migration projects from on premise to AWS and Microsoft Azure.**
- **Cloud Automation projects using Python/AWS Lambda**

#### **Responsibilities:**

- **Salesforce CRM (Service Cloud):** Designed for usage by multiple Call Centers with approx. 2000 Simultaneous log-in using Service Cloud integration.
- **Salesforce Vlocity GoMedia OTT Streaming modules integration for OTT Projects-** Kaltura, Hungama, Netflix and others using industry standard integration mechanism and protocols.
- **Design the complete distributed architecture of mobile apps for both front end and backend integration using micro services design principles.**
- **End to End Delivery of native Android mobile apps using Android Studio, Java, SQLite, Backend Integration.**
- **End to End delivery of IOS Apps using XCode, Objective C and Swift.**
- **Build scalable, high available, resilient mobile apps, able to handle load dynamically.**
- **Led the cross functional team to ensure application features are used by Business users for intended benefits by conducting workshops.**
- **Developed and rollout Enterprise business mobile apps – d2h dealer app, d2h Infinity app, Dish Technician App, Watcho, Survey app, Remote mobile App.**
- **Company designated Solution Owner and SPOC for an interface between the client and the technical team and ensure the solution is delivered as per the client requirement.**
- **SPOC for B2B integration with multiple technology partners, payment gateways, SMS service providers, recharge aggregators and cloud technology partner.**
- **Lead Solution Development workshop and defining scope & objectives of the PoC**
- **Complete ownership of Phase#1 design & architecture & Technical PoC to validate design & key business use-cases**
- **Preparing processes for delivery projects and ensuring process systems support for operations.**
- **Managing the complete life cycle of development/ projects including analysis of the client requirements, translating new ideas into client's solutions, requirements development, delivery, support, analysis and documentation.**
- **Complete design ownership of all the applications architecture, Technical Solution, Effort Estimation & Project Execution Approach**
- **Experience in designing solutions for deploying app backend infrastructure on Amazon AWS.**
- **Prior to Mobile App, End to End Delivery of following Enterprise level Web Applications:**
  - **Developed and maintained the changes for the following applications in .NET platform ASP.Net Platform, including:**
    - **FINTECH Wallet based Payment System Design for Payments by Business Entities. Framework Development has integrated with multiple payment aggregators like – PayTM, EPRS, Oxigen, Pinelabs, RouteMobile, Mobikwik, CSC, and others.**
    - **Designed Integration with SAP ERP ( Modules - MM, FICO)**
    - **Multiple Web projects developed for field management tracking, warehouse automation inventory management and workflow, Inventory tracking, Workforce Management.**

<b>Organization:</b>	<b>Satyam Computer Services Ltd (Gurgaon)</b>
<b>Designation:</b>	Project Lead
<b>Project:</b>	ERMG MIS Portal: American Express.
<b>Environment:</b>	ASP.NET 3.5, MSProject, C#, SQL Server
<b>Team Size:</b>	6
<b>Role:</b>	Technical Architect / Project Lead
<b>Description:</b>	ERMG MIS is a decision making tool to create an independent and transparent risk assessment process, helped the company to effectively escalate and manage the high risk obligors.

#### **Responsibilities:**

- Responsible for Creating Technical Architecture, Design, and to provide the technical solutions of the project using OOPS, Design Patterns and Design guidelines.
- Client interaction, requirement tracking and management and ensured delivery signoff..
- Ensured successful delivery of the project.
- Software Development using Asp.net, C#, backend programming using SQL Server.

**Project:** RECGENII: American Express.  
**Environment:** ASP.NET, C#, Oracle, Tumbleweed, MS Visio  
**Team Size:** 15  
**Role:** Team lead  
**Description:** To redefine the reconciliation process of American Express to remove level 1 SOX deficiency. Module was developed to track process compliance through review checklist. Metrics and multi level notification of data capture and automated month close process.

**Responsibilities:**

- End to End Technical design proposed and developed file movement automation using Tumbleweed.
- Redesign and Transform the reports for reconciliations, drive the technical solutions as per the client requirements. .
- Development using ASP.NET, Web services, ADO.NET, and Oracle.

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**Organization:** HCL Technologies, Noida  
**Project:** One Road : Cross Country Automotive Services, USA.  
**Designation:** Lead Engineer  
**Environment:** C#, Toad, Oracle, Enterprise Architect  
**Team Size:** 4  
**Description:** One Road is a new product developed to replace the legacy system, with the intent of designing business rule engine to make it fully configurable to ensure changes on the fly as per business needs. Configuration module was designed and developed to facilitate business rules changes.

**Responsibilities:**

- End to End Development and rollout for modules from requirement gathering till production deployment.
- Worked onsite with client for requirement finalization and sign off.
- Hands on development in .NET, Oracle PL/SQL, Javascript.

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**Organization:** Tele Atlas India, Noida  
**Project:** Converter  
**Designation:** Software Engineer  
**Environment:** C#, Oracle, Sybase 9.0.  
**Team Size:** 4  
**Description:** Converter is a project to convert binary type file system (TeleAtlas internal format) to Oracle.

**Responsibilities:**

- Involved in designing the algorithms to convert TIF to new database.
- Development in C# for the implementation of the algorithms.

**Project:** TAMapper  
**Designation:** Software Engineer  
**Environment:** C++, Oracle, Sybase 9.0, Delphi  
**Team Size:** 10  
**Description:** Production tool used by Digital cardiographers to edit and view spatial database. User mode used database officers to verify and capture changed information in the field.

**Responsibilities:**

- Programming in Delphi and C++ for UI and Middle layers.

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**Organization:** Samtech Infonet Limited (Delhi)  
**Designation:** Software Developer  
**Project:** Energy Billing system : Secure Meters Udaipur  
**Environment:** Oracle 8i, C++, Rational Rose.  
**Team Size:** 5  
**Description:** This project is to generate bills for energy distributors companies, based on actual consumption of energy Meters installed in Transformers. Implemented in HVPNL, Chandigarh.

**Responsibilities:**

Involved in Database Design, Stored procedures programming, database administration activities, apart from writing C++ components of the Application.