

# SUSHIL SINGH

Infosys Limited  
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## EXPERIENCE

**INFOSYS LIMITED** 04/2012 – present  
Chandigarh India Technology Lead

- Assisted in generating design specifications/business case
- Assisted in system design projects
- Assisted in the evaluation of various products
- Assisted with the development, documentation and maintenance of architectures, requirements, algorithms, interfaces and designs for software systems
- Enhanced & maintained Software / Application Development & Architecture
- Participated in various process steps within the software development life cycle
- Integrated software components into a fully functional software system
- Participated in the design, development, and implementation of complex server and mobile based applications
- Profiled and helped optimize the code to get the best possible performance across various devices
- Worked with Operations team to ensure smooth deployment of product releases and updates

**HCL TECHNOLOGIES LIMITED** 04/2008 – 01/2012  
Noida India Technical Lead

- Completed all phases of software development life cycle including requirements, design, development, testing, deployment and support
- Developed large and small scale web/database applications
- Documented design specs, standards, and developer guides or other technical documentation
- Identified root cause for issues and developed workarounds or permanent fixes
- Worked with outside vendors of software applications to integrate processes and their tools
- Contributed to the design and development of mobile

## CLOUD SKILLS

**Microsoft Azure:** Cloud Services: Azure App Services: MobileApp, Web Api, API App, LogicApps, Native Apps, Services Fabric: Azure Services Bus, Multi factor Authentication, Azure Active Directory, SQL Database, HDInsight, Azure Storage, Azure Traffic Manager, Azure Application Insights using Telemetry, Azure Container Service (Docker), API Management Services, Azure VSTS, Data Gateway, Virtual Network, Express Route, ARM and Terraform template  
**Amazon Web Services:** AWS Lambda, Amazon API Gateway, Amazon S3, Amazon Kinesis, Amazon Elastic Search Services, Amazon Dynamo DB, AWS Identity Access and Management, AWS Fargate and ECS, Virtual Private Network, Cloud Formation Template.

## ARTIFICIAL INTELLIGENCE SKILLS

- Python 3.6
- PyCharm
- Anaconda
- Numpy
- Jupyter NoteBook
- TensorFlow
- Keras
- Convolutional Neural Network
- Recurrent Neural Network
- Natural Language Processing

## ADDITIONAL ORGANIZATION EXPERIENCE

Dec'06-	<b>Perot Systems</b> , NOIDA As
Apr'08	<b>Senior Software Engineer</b>
Oct'05-	<b>Birla Soft Limited</b> , NOIDA As
Dec'06:	<b>Software Engineer</b>
Jun'05-	FCS Software Solutions Ltd., NOIDA As
Oct'05:	<b>Software Engineer</b>
Aug'04-	Mega Mind Solutions Pvt.Ltd. New Delhi
Jun'05:	<b>Software Developer</b>

## MICROSOFT TECHNOLOGIES SKILL

<b>Server Scripting Language</b>	C# 2005-2017, ASP.NET MVC 4.5, Kendo UI Controls, Ajax, VB.NET, ADO.NET, Web API, WCF Services, Windows Services, Unity Application Block, Silverlight, Reactive Framework, Windows Identity Foundation, WPF, Xamarin for Cross Platform Mobile Apps
<b>Client Scripting Language</b>	Angular JS 1.6, Backbone.js 1.3, Bootstrap, HTML5, CSS 3, jQuery, JavaScript, XML, XSLT. SQL Server 2012, Sybase Database,
<b>RDBMS database</b>	Oracle Database 11i.
<b>Applications Servers</b>	IIS 5.1-6.0-7.5 ApacheHTTPWebServer, ApacheTomcat Server, Node.js
<b>Development Tools</b>	Visual Studio 2005-2017
<b>Source Control and Automation Server Tool</b>	Source Control-TFS, Perforce, SVN, Source Tree. Automation Server Tool: Jenkins, Bamboo.
<b>ModellingTool</b>	Microsoft Visio 2010, Enterprise Architect tool.

## EDUCATION

### School of Management Sciences

2001 – 2004

Master of Computer Applications

Affiliated to U.P. Technical  
University Lucknow, India.

**U.P. College, Varanasi, India** 1997 –  
2000

Bachelor of Sciences, Mathematics

## CERTIFICATIONS

Certification for the Workshop in  
“**Enterprise Architect organized by iCMS.**”

Certificate of Nanodegree Program with  
“**Udacity on Artificial Intelligence**”

Infosys Projects	Project Description	Tools	Cloud Model	Role	Client	Team Size
Cirrus (Dec 2017 to Present)	<b>Migration of applications to windows azure.</b>	<b>Azure Services:</b> Web Apps, API Apps, Native apps, Azure AD, logic apps, data gateway, APIM, SQL Database and VM (SSIS & Console) <b>Tools:</b> Visual Studio 2017, Node.js. Net Framework 4.6.1, .Net ASP.Net MVC 5, Web API, SQL Server, SQL Server Data Tools, SSIS,IWS Job Scheduler	<b>PaaS and IaaS</b>	<b>Cloud Architect(Onshore)</b>	<b>Coca Cola</b>	<b>14</b>
DBaaS (May 2017 to Oct 2017)	<b>Building DevOps as an Product for Azure &amp; AWS database Platform</b>	<b>Azure Services:</b> ARM Template, Azure function, Web App, PowerShell, Azure Active Directory. In <b>AWS Services:</b> Lambda, Cloud Watch, S3, Cloud Formation template. <b>Tools:</b> Visual Studio 2017, Node.js. Net Framework 4.6.1, .Net ASP.Net MVC 5, Web API Bit Bucket as Source Control and Jenkins as an Build Automation Server and Jira.	<b>PaaS and IaaS (Azure and AWS)</b>	<b>Cloud Architect(Onshore)</b>	<b>British Petroleum</b>	<b>8</b>
Cirrus (Sept 2016-April 2017)	<b>Migration of applications to Private Cloud.</b>	<b>Tools:</b> Visual Studio 2015, Node.js. Net Framework 4.6.1, .Net ASP.Net MVC 5, Web API, SQL Server 2012, Unity Container, Cross Scripting using Antiforgery, Microsoft Visual Basic 2008, Classical ASP, VBA application, BOE Report, SSRS, SSIS, Autos Job. Perforce, Source tree	<b>IaaS (Private Cloud)</b>	<b>Cloud Architect(Onshore)</b>	<b>Capital Group</b>	<b>35</b>

Infosys Projects	Project Description	Tools	Cloud Model	Role	Client	Team Size
Loan Servicing (April 2016-Aug 2016)	<b>Building an analytical solution to support the back office for queries related to customer information</b>	<b>AWS Services:</b> Lambda, Amazon API Gateway, Amazon S3, Amazon Kinesis, Amazon Elastic Search Services, Kibana (Open Source Code), Amazon Dynamo DB <b>Tools:</b> Visual Studio 2013, Node.js, Kendo UI Controls, ASP.Net MVC 4.5, Web API, SQL Server 2012, Unity Container, Cross Scripting using Antiforgery	<b>PaaS</b>	<b>Cloud Architect(Onshore)</b>	<b>Pennymac</b>	<b>5</b>
e.com(June 2015-March 2016)	<b>The project is about creating a SaaS based Product Support Multi-tenancy for Subscribers, Publishers and Providers.</b>	<b>Tools:</b> HTML 5, CSS 3.Backbone.js 1.3, Bootstrap, Rest Based Services in Java using Jersey 1.9, Jdk 1.6, <b>Azure Service:</b> Service Bus with Soap and Rest Based Endpoint, BizTalk Services, Visual Studio 2013, Cloud Services, Azure Storage, Traffic Manager across data center, Apache HTTP Web Server, Apache Tomcat Server	<b>PaaS and SaaS</b>	<b>Cloud Architect(Offshore)</b>	<b>British Telecom</b>	<b>5</b>
Canada Payroll Application (Jan 2014-May 2015)	<b>Migrate an premises based applications to windows Azure</b>	<b>Tools:</b> C#.NET, ASP.Net MVC 4.0, SQL Server 2012, Windows Azure(Web & Worker roles),ACS, Sql Database	<b>PaaS and IaaS</b>	<b>Cloud Architect(Offshore)</b>	<b>American Express</b>	<b>4</b>
Azure Sustenance (April 2012-Dec 2014)	<b>PaaS and IaaS Services offering on Azure</b>	<b>Tools:</b> Windows Server 2007, VSTS 2010, C#, Windows Azure Platform.	<b>PaaS and IaaS</b>	<b>Technology Lead (Offshore)</b>	<b>American Express</b>	<b>6</b>

AI Udacity Nanodegree Program Projects(Google/IBM Watson)	Projects Description	Tools
Build a game playing agent	Created an AI that beats human opponents in the game of Isolation <b>using Minimax, Alpha-Beta Search, and Iterative Deepening.</b>	Anaconda, PyCharm, Python 3.5,Numpy
Build a Sign Language Recognizer	Built a system that can recognize words communicated using the American Sign Language (ASL). <b>Trained a set of Hidden Markov Models (HMMs)</b> using part of a preprocessed dataset of tracked hand and nose positions extracted from video to try and identify individual words from test sequences. <b>Experimented with model selection techniques including BIC, DIC, and K-fold Cross Validation</b>	Anaconda, PyCharm, Python 3.5,HMM Library,Jupyter Notebook,Numpy
Recurrent Neural Networks	Built RNNs that can generate sequences based on input data - with a focus on two applications: used real market data in order to predict future <b>Apple stock prices using an RNN model.</b> The second one will be trained on Sir Arthur Conan Doyle's classic novel Sherlock Holmes and generates <b>wacky sentences based on it that may - or may not - become the next great Sherlock Holmes novel</b>	Anaconda, PyCharm, Python 3.5, TensorFlow, Keras library, Recurrent Neural Network, Jupyter Notebook,NLP library.
Dog Breed Classifier	Built an algorithm to identify canine <b>breed given an image of a dog.</b> If given image of a human, the algorithm identifies a resembling dog breed.	Anaconda, PyCharm, Python 3.5, TensorFlow, Keras library, Deep Convolutional Neural Networks, Jupyter Notebook
Machine Translation	<b>Built a deep neural network</b> that functions as part of an end-to-end machine translation pipeline. The completed pipeline accepts English text as input and returns the French translation	Anaconda, PyCharm, Python 3.5, TensorFlow, Keras library, Deep Convolutional Neural Networks, Jupyter Notebook