



# Divyang Panchasara

SOLUTION ARCHITECT

## Profile

Accomplished Solution Architect with 18+ years of experience in designing and implementing large-scale systems. Expert in business integration, service activation, and innovative tech solutions. Recently led GenAI initiatives using GPT-3, GPT-4, transformer architectures, and prompt engineering to drive digital transformation. Proficient in .NET, JavaScript, Python, AI/ML, IoT, cloud-native development, and generative AI advancements.

## Employment History

### Solution Architect, Cognizant, Bangalore

MAY 2020 – PRESENT

- Delivering code that meets security and performance requirements
- Enhance department and organization reputation by accepting ownership for accomplishing new and different requests, exploring opportunities to add value to job accomplishments
- Estimate software development requirements and effort, propose alternatives, and prioritize development tasks for a given area.
- As the Solution Architect, I engineered and implemented Gateway solutions to seamlessly integrate various BAC devices into a confidential Sensor Network. This involved firmware enhancements and software development on Raspberry Pi platform with Raspbian Linux, effectively integrating with the Azure IoT ecosystem.
- For the loyalty program at a leading retail client, I led as the Solution Architect in the development and implementation of innovative solutions, enhancing customer engagement and loyalty.
- Similarly, for a prominent client in the automotive industry, specifically in the commercial vehicle sector, I served as the Solution Architect, designing post-sale solutions following their departure from a well-known automotive brand, ensuring seamless operations and customer satisfaction.
- Developed AI solution for automotive industry using Azure Open AI and Azure document intelligence
- Trained and developed team associates in Microsoft stack and open source tech(Java/ NodeJs,, Python) skills and frameworks.
- Utilized excellent leadership and organizational skills to achieve goals.
- Implemented LLM-based prompt engineering using models such as GPT-3, GPT-4, BERT, and Google T5 for various applications.
- Worked on AI/ML projects leveraging Azure, OpenAI, AWS, and GCP for deploying and managing machine learning models.
- Utilized GitHub Copilot to enhance code productivity and efficiency, streamlining the development process through AI-assisted coding.

## Details

Bangalore  
India  
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## NATIONALITY

Indian

## Links

[LinkedIn](#)

[Github](#)

## Skills

Machine Learning (Regression, Classification, Clustering, Neural Networks)

Data Science Tools(NumPy, Pandas, Scikit-Learn, Matplotlib)

AWS

Microsoft Azure

Google Cloud

Microservices

Java

C#.NET

Java/J2EE

Python

Extreme Programming

Software Engineering

ASP.NET Core

Jenkins

IoT

## Sr, Consultant, Neudesic, Bangalore

AUGUST 2016 – APRIL 2020

- Estimate software development requirements and effort, propose alternatives, and prioritize development tasks for a given area.
- Work closely with Microsoft and their client to establish product direction and technology solutions.
- Led projects and analyzed data to identify opportunities for improvement.
- Design and develop a cloud-based scalable, extensible, reliable, and maintainable RESTful API platform for multi-cloud projects.
- Communicated effectively with company managers to understand the training and development needs of teams.
- ported on-premise Java/J2EE base project to Azure cloud by lift and shift strategy.
- refactor existing sprint application to cloud native architecture using sprint boot on Azure.
- Led machine learning projects involving data analysis, model development, and deployment on cloud platforms.
- Worked on ML algorithms for predictive analytics and real-time data processing.

## Tech Lead, WalkingTree, Bangalore

MARCH 2016 – JULY 2016

- Collaborate with Neudesic's core technology teams and contribute to various initiatives.
- Worked with Neudesic's client.
- Lead development of Multi-platform solution using Xamarin, ASP.NET, Azure.
- Collaborates with Developers, Architects, UX, Product Owners, and Test Engineers in an agile organization

## Technical Lead, Cygnet, Ahmedabad

JUNE 2014 – MARCH 2016

- Delivering code that meets security and performance requirements.
- Organized and prioritized work to complete assignments in a timely, efficient manner.
- Effectively participated in cross-team strategizing efforts to achieve optimal goals.
- Ensured the availability of adequate resources to achieve goals.

## Technical Lead, Insigno Quipment, Ahmedabad

JULY 2013 – MAY 2014

- Introduced agile methodologies and effective development best practices to division to enhance product development.
- Collaborated with project managers to select ambitiously, but realistic coding milestones on pre-release software project development.
- Timely creation of appropriate technical artifacts e.g. Application Architecture, Solution Design Documents, etc.

Sprint

DevOps

Pair Programming

Planning

JavaScript

Docker

Cloud Native

Active Directory, Azure AD, AWS IAM, & GCP IAM

MySQL

GCP datastore & Bigtable,

TypeScript

MongoDB

AzureML

DevSecOps

Kubernetes

Data Analysis

Middleware

Apache Spark, Hadoop

Redis

Cosmos DB

Big Data

PostgreSQL

DynamoDB

NodeJs

Angular 4+

ReactJs

Express.js

## Sr. Software Engineer, Synaptic Digital, Ahmedabad

JANUARY 2013 – JULY 2013

- Create Software Architecture Document, High Level and Low-Level Design document, Non functional requirements for the project.
- responsible for software configuration and release management four produce in whole produce suites.
- Implemented Webservices Security using WS-Security, SAML, Kerberos and integrating with Identity provides, LDAP and ADFS.

## Lead Programmer Analyst, Hitech Outsourcing, Ahmedabad

OCTOBER 2009 – JANUARY 2013

- Collect and Provide estimates for the requirements.
- Create Software Architecture Document, High Level and Low Level Design document, Non-functional requirements for the project
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## Sr. Associate Analyst, Ahem! Management Solution, Ahmedabad

JANUARY 2006 – SEPTEMBER 2009

- Worked well independently and on a team to solve problems.
- Effectiely multitasked and prioritized projects according to need.
- Enthusiastically performed tasks that were outside of my job description.
- Remained committed to adding to my knowledge and skills base.
- Worked on Microsoft stack as well as an open-source stack with great command.

## Education

### M.Sc., Gujarat University Ahmedabad, Ahmedabad

2002 – 2004

### B.Sc., Gujarat University Ahmedabad, Ahmedabad

1999 – 2002

### B.S. in Data Science, IIT Madras, Online-Remote

JANUARY 2022 – PRESENT

- Pursuing online B.S. in Data Science
- Completed foundation level
- Will complete Diploma level in Dec 2024

## Certification

### AWS Certified Solutions Architect – Associate

DECEMBER 2021

### Google Cloud Certified Cloud Architect

### Microsoft Certified in Azure Solution Architect

### Google Cloud Certified Data Engineer

Xamarin

OpenAI API

Generative Adversarial  
Networks (GANs)

Transformer Models

PyTorch

### Languages

English

Hindi

Gujarati

**Microsoft Certified in Azure IoT Engineer**

**Certified Associate in Project Management (CAPM) from PMI**

**Microsoft Certified: Azure AI Engineer Associate**

**Microsoft Certified: Azure Data Scientist Associate**

SEPTEMBER 2022 – SEPTEMBER 2024

## **Courses**

**Neno Degree in Machine Learning, Udacity**

2017 – 2018

**Hadoop Foundation Course, skillspeed**

2016 – 2016

**Google Cloud Platform Big Data and Machine Learning Fundamentals,  
Coursera**

JULY 2017 – OCTOBER 2017

## **References**

**Vikram Shantharaj from schlumberger**

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**Basant Patawari from Neudesic**

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**Sujith Thazhathveedu from Neudesic**

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**Rignesh Soni from Cygnet**

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