# Mehul Panchasara

## Senior Software Engineer

Contact No.    +91 9033081036
Email Address  panchasara.mehul6@gmail.com

Assistant Manager at BDO India Technology Service.

Specialized in backend development with 9 years of experience in developing and managing web applications using NodeJS, Laravel, VueJS, CorePHP, Python, PostgreSQL, MongoDB, MySQL, and AWS services.

Proven expertise in building scalable and reliable applications on AWS EC2, with a track record of delivering high-quality software products on time.

Proficient in guiding teams, integrating industry standards, and producing creative solutions that propel business expansion and achievement.

Seeking a challenging role to leverage my skills and experience in driving technical excellence.

## Experience

NodeJS
Laravel
VueJS
CorePHP
Python
PostgreSQL
MongoDB
MySQL
AWS EC2
AWS Lambda

## Strengths

Adaptability
Quick Learner
Positive Attitude
Good Team Player
Big Picture Focus

# Projects

### AI Related POCs
    **- Language - Python (Langchain, Streamlit)**
**May 2024 - Present**

I have created some POCs on improving user experience in existing products using Python (Langchain) and providing the best possible output for anything asked by a user for his/her company's transactional data.

**Worked As**: Developer
**Technologies Used**: Python (Langchain, Streamlit)


### TDS On Expense
    **- Backend, Frontend**
**March 2023 - Present**

I worked as a Technical Lead for the TOE Project for the Laravel and simultaneously worked in Python for improving overall project performance and large data processing, responsible for defining backend architecture, defining complex queries for transactional data and performing validation and calculation into the Python using Pandas and Numpy.

**Worked As**: Technical Lead & Developer
**Technologies Used**: Laravel, VueJS, AngularJS, MySQL, Python

## Direct Tax Compliance
   -  **Backend, Frontend**
**August 2022 - March 2023**

I worked as a Technical Lead for the DTC Project, responsible for defining backend architecture, defining database architecture, defining complex queries for the TAR and Clause processing based on the provided transactional data, providing an easy way of working with clause specific services so that developers can work independently without having much knowledge of the Clauses, and also mentoring the team.

**Worked As**: Technical Lead & Developer
**Technologies Used**: Laravel, VueJS, AngularJS, MySQL


## Auction
   -  **Backend, Admin Panel and Portal**
**April 2020 - July 2021**

I worked as a Full Stack Developer for the Auction Project responsible for working on the assigned tickets, client communications, onboarding and mentoring other developers to the project.

**Worked As**: Full Stack Developer (Lead Engineer)
**Technologies Used**: NodeJS, AngularJS, Laravel, VueJS, PhalconPHP, PostgreSQL, Redis, Kue, Nginx (for routing to different servers)


## Big Data Reports for School Data Evaluation
   -  **PostgreSQL and AWS Lambda**
**November 2019 - April 2020**

I worked on the big data project for optimizing more than 60 stored procedures for fast response, the database size was more than 40 GB, in which I optimized queries in a way that queries taking more than 10 minutes were optimized to get data within 10 seconds.

**Worked As:** Lead Engineer
**Technologies Used:** AWS RDS with PostgreSQL, AWS Lambda

**Water Park Image and Video Capturing System**
**    -   Backend and Admin Panel**
**November 2018 - April 2019**

I worked on this project as Full Stack Developer, responsible for implementing frontend, backend, deployment and client communication as well as custom camera setup remotely.

**Worked As:** Sr. Software Engineer
**Technologies Used:** Axis Camera, NodeJS, Angular 6, Windows Server

# Work Experience

### BDO India Technology Services - Ahmedabad, Gujarat
**Technical Lead**
**January 2022 - Present**

I am working as a Tech Lead, leading and developing the Tax Compliances projects with managing huge sets of transactional records on which complex tax logic applies, and successfully delivered one project related to DT and IDT within 8 months of joining, providing best user experience by including AI in the existing products.

### Aubergine Solutions Pvt. Ltd. - Ahmedabad, Gujarat
**Sr. Software Engineer**
**July 2021 - January 2022**

Worked as a Sr. Software Engineer, crafting a reliable and scalable backend in NodeJS with various databases like PostgreSQL and MongoDB.

### Simform Software LLP. - Ahmedabad, Gujarat
**Lead Engineer**
**December 2016 - July 2021**

I worked as a Lead Engineer, in NodeJS and different PHP frameworks applications.

I have worked on more than 10 projects from small to large scale projects with various tech stack like AngularJS, Angular 6, ExpressJS, Laravel, Phalcon PHP, CodeIgniter.

Apart from that I have worked with big data projects with extensive use of PostgreSQL and MongoDB.

**Square Yards - Ahmedabad, Gujarat**
**Web Developer**
**April 2016 - November 2016**

I have worked on Real Estate projects for Square Yards, in which I did work on the property booking modules in CakePHP as well as frontend.

**Eminence Consulting Services & Projects**
**- Ahmedabad, Gujarat**
**Web Developer**
**November 2015 - April 2016**

In ECS I was allocated to a Saloon Booking project made in Codeigniter in which I was responsible for project development as well as client communication.

**The Infowarehouse - Ahmedabad, Gujarat**
**Web Developer**
**December 2014 - October 2015**

I started an internship from The Infowarehouse and got a job at the same company after internship I learnt and worked on Symfony, Codeigniter, and Core PHP projects, as well as a purely JavaScript based examination project.

# Education

**Master of Computer Applications**
June 2013 - April 2015

AESISC - Ahmedabad University, Ahmedabad, Gujarat
3.32 / 4.33 CGPA (76.67%)


**Bachelor of Computer Applications**
June 2011 - March 2013

CPICA - Gujarat University, Ahmedabad, Gujarat
70.25%


**12th - Gujarat Board**
July 2009  - March 2010

Sharada Shishu Vihar, Ahmedabad, Gujarat
54.71%


**10th - Gujarat Board**
July 2007  - March 2008

Sharada Shishu Vihar, Ahmedabad, Gujarat
48.77%