

# Manish Malviya

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## Education

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**MCA, CGPA: 8.59**

*LJ institute of computer application, GTU*

July 2019 – May 2021

Gujarat, India

## Skills

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- **Languages:** HTML, CSS, JavaScript, Typescript
- **Development Skills:** Node.js, Nest.js, Express.js
- **Databases / ORMs:** MySQL, PostgreSQL, MongoDB / Sequelize, TypeORM
- **Version Control:** Git, GitHub, BitBucket, GitLab
- **Development Tools:** VS Code, Postman, Workbench, MongoDB Compass, pgAdmin

## Experience

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**Senior Software Engineer**

Solution Analysts

Jan 2022 – ongoing

Ahmedabad, India

### Invoice Management Application | Node.js, Express.js, MySQL, RazorPay, Sequelize

- This user-friendly application provides an efficient and centralized platform for managing, tracking, and processing invoices
- Implemented functionality to determine the number of employees subscribed, prepare quotations based on this information, and send these quotations to clients via email.
- Utilized **RazorPay** as the payment gateway to facilitate secure and efficient payment processing within the application.

### LoopApp | Node.js, MongoDB, Typescript, Socket.io, APNS (Apple Push Notification Service)

- Developed a voice-over networking application for the professional recording community, implementing real-time communication with **Socket.io**.
- Integrated **APNS** for timely push notifications, enhancing user engagement. .
- Used a Node.js module for managing **in-app purchases** and subscriptions across multiple platforms, including Apple.

### School ERP | Nest.js, PostgreSQL, TypeORM, Swagger, MongoDB

- Project that automates and streamlines regular school activities, including curriculum management, attendance records, administrative tasks, information handling, fee management, and assignments.
- Designed and developed RESTful APIs using Nest.js framework for the Help Desk Module, Event Module, and Student Module.
- **Help Desk Module:** Developed APIs for the help desk, including online appointment scheduling, certificate application and generation, medical category management, student-wise medical details, infirmary management, lost and found modules.
- **Student Module:** Designed the student module to handle GR number generation, roll number allocation, attendance tracking, vacation management, and LC generation.
- **Circular Module:** TThis module includes functionalities for creating, managing, and distributing circulars to students, parents, and staff. Features include scheduling circular releases, tracking acknowledgments, integrating notifications, and using **cron jobs** to send notifications.
- Utilized TCP connection-based microservice architecture within the Nest.js framework for efficient backend development using PostgreSQL and TypeORM.

#### **Formero | Nest.js, MongoDB, Xero**

- Developed a 3D printing service platform with a dynamic pricing equation for models, calculated based on parameters like process, finishes, material, extras, model dimensions, and printing complexity.
- Integrated **AWS S3** bucket for secure file storage and **Twilio SMS** service for user notifications.
- Implemented Xero integration for streamlined invoicing and Eway payment gateway for secure transactions.

#### **Command Center | Serverless, Node.js, MongoDB, Microsoft Login, ChatGPT, Process Street**

- Developed a serverless application to streamline and manage employee tasks via integration with **Process Street**.
- Implemented secure authentication using **Microsoft Login** for user access and role-based task assignment.
- Integrated **ChatGPT** to assist users with intelligent task suggestions, explanations, and contextual help.
- Used **MongoDB** for storing user-specific task data and history, ensuring efficient data retrieval.
- Enabled real-time task tracking and automation of repetitive workflows in **Process Street**, enhancing overall operational efficiency.