

# CHINTAN MAKWANA

## Software Developer

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## Summary

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Experienced Software Developer with 2.5 years of expertise in C#, .NET Core, WebAPI, SQL, Angular, and Docker. Proven track record in developing scalable and robust applications that meet project requirements. Passionate about leveraging my skills in a dynamic team to drive innovative software solutions.

## Technical Skills

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Backend Side :	C#, ASP.NET Core, .NET, Python (Flask)
Client-Side Technologies :	Angular, TypeScript, HTML, CSS
Version Control :	GitHub, Git, Bitbucket, JIRA
Database Technologies :	MySQL, Microsoft SQL Server, Postgresql
Tools :	Docker, Visual Studio Code, Visual Studio
Operating Systems :	Windows, Ubuntu
Other Skills:	Agile methodologies, DevOps practice

## Work Showcase

### Mantra Softech

June 2022 – Present

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- **Matrik.in (Mobile Device Management System) :**

**Technologies Used :**

- .NET Core WebAPI, Angular, MySQL, JWT Authentication, Docker, CI/CD pipeline, hosted on a private server.

**Description:**

- Created Matrik.in, an MDM system integrating Google's Android Management API to manage mobile devices.

**Responsibility:**

- Developed all API endpoints and implemented JWT token-based authentication.
- Designed a user management system with role-specific permissions.
- Managed enterprise, dashboards, device lists, app management, and group management.
- Dockerized the application and deployed it using Docker.
- Implemented multi-tenancy with tenant codes and managed secure data storage.
- Developed features for user profile management and password updates.
- Ensured robust security measures and simplified admin control.
- Integrated service accounts and Pub/Sub functionalities for seamless operation.
- Worked closely with cross-functional teams, including the UI/UX team, to manage the user interface and enhance overall user experience.

### Problem-Solving:

- Addressed the complexity of more than 300+ fields for enterprise policy by creating over 20+ Angular components to manage user input in a single policy form.
- Achieved live device data updates using Google Pub/Sub, collaborating with the Android team to publish device details via an APK.
- Ensured silent app installations when enrolling devices in the enterprise.

- **MXFace.ai (Facial and Object Recognition Project ) :**

**Technologies Used :** .NET WebAPI (C#), Angular, Python, Flask, FastAPI, MySQL, AWS.

**Description:**

- MXFace.ai leverages APIs to detect and analyze faces, iris, fingerprints, vehicles, and more.

**APIs and Features :**

- Includes face detection, face comparing, face landmarks, age and gender estimation, face search, iris recognition, fingerprint recognition, people detection, license plate recognition, vehicle detection, and liveness detection.

**Responsibility:**

- Collaborated with the AI team on Python-based vehicle, license plate recognition, and people detection.
- Created Python APIs in Flask and FastAPI to process images, detect vehicles and license plates, and return processed images with details like vehicle count, category, and position.
- Added bounding rectangles to detected vehicles in images and returned processed images using Flask API.
- Worked on people detection, license plate recognition, and vehicle detection solutions, all developed in Python Flask API and hosted on AWS.
- Adapted quickly to Python, successfully contributing to key components despite it being a new technology for me.

## Education

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**Bachelor of Engineering: Computer Science**

Gyanmanjari group of college  
Gujarat Technological University

**8.06 CGPA**

2018-2022

Bhavnagar

**High Secondary Certificate**

12th Science

**84%**

2016-2018

Bhavnagar