

# VIGNESHWARAN

## FULL STACK DEVELOPER

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### SUMMARY

As an ASP.NET Core developer with 2+ years of experience, I have a passion for developing innovative web applications that enhance user experience and streamline business operations. My versatile skill set allows me to craft both front-end and back-end solutions, tailored to meet diverse client needs. I am proficient in creating clean, efficient, and scalable code, ensuring optimal performance and reliability. My strong analytical abilities enable me to understand complex requirements, translating them into user-friendly and intuitive applications. With a keen eye for detail and a commitment to delivering high-quality work, I excel in building comprehensive modules for incident, service request, problem, and change management.

### PROFESSIONAL SKILLS

#### FRONTEND TECHNOLOGIES

HTML5

CSS3

Bootstrap

JavaScript

JQuery

React(JavaScript, TypeScript)

#### BACKEND TECHNOLOGIES

Asp .Net Core

C#

Entity Framework

LinQ

HangFire(Background Services)

SignalR

RabbitMQ(Message broker)

WebAPI

Microsoft SQL Server

MySql

#### CLOUD & DEVOPS TECHNOLOGIES

Docker

AWS EC2 Instances

AWS RDS

AWS S3 Buckets

#### TOOLS & TECHNOLOGIES

Firebase

IMAP & POP3

Metronic KeentHEME

### WORK EXPERIENCE

#### FULL STACK DEVELOPER

( 2022 - Present )

Saasify Solutions Private Limited

- Worked in software development and implementation more than 2 Years of experience.

#### QUALITY CONTROL INSPECTION

( 2020 - 2021 )

Sakthi Auto Components Private Limited

- To check the product quality as per the standards and verify the product design and dimensions.

### EDUCATION AND CERTIFICATION

#### BACHELOR OF ENGINEERING - ELECTRICAL AND ELECTRONICS ENGINEERING

( 2017 - 2020 )

M P Nachimuthu M Jaganathan Engineering college

Erode

#### DIPLOMA IN ENGINEERING - ELECTRICAL AND ELECTRONICS ENGINEERING

( 2015 - 2017 )

Virudhunagar S Vellaichamy Nadar polytechnic college

Virudhunagar

#### HSC AND SSLC

( 2011- 2015 )

K V S Higher Secondary School

Virudhunagar

## PROJECTS

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### 1. HELPDESK DATA MIGRATION TOOL

- Migrate, your customer service data across multiple help desk software, service desk systems, and ITSM platforms efficiently that is the main purpose of this application
- The application was designed with a monolithic architecture, utilizing ASP.NET Core MVC for a unified and cohesive structure.

Developed a comprehensive data migration tool with the following key stages:

- **Source Selection:** Users select the source data, whether from a helpdesk system or CSV files, and specify the modules (e.g., tickets, problem, change). The system validates the provided credentials or data.
- **Target Selection:** Similar to the source selection, users input the target helpdesk credentials or choose to export the source data to CSV files.
- **Mapping Stage:** Implemented a mapping interface to match source data and fields to the target system, allowing precise control over data migration.
- **Demo Migration:** Conducted a sample migration to verify the accuracy of data mapping. Users can adjust mappings if discrepancies are detected and rerun the demo.
- **Payment Integration:** Integrated Razorpay for processing payments based on the volume of data migrated or exported.
- **Full Data Migration:** Executed complete data migration, with the option to pause the process if needed. Utilized **Hangfire background services** for task execution and **SignalR** for real-time updates on migration status, including metrics on success, failure, and skipped records.

This project ensured smooth data transition between systems, provided robust error handling, and offered real-time visibility into the migration process.

### 2. FACILIO - CIT (IUNGO MOBILE APP) MIDDLEWARE WEB API

Developed a middleware Web API for the CIT organization, which manages tenant services. The project aimed to integrate the Facilio web application and the iungo mobile app, providing seamless ticket creation and management. Key functionalities include:

- **Ticket Integration:** Created a system that allows tenants to raise service tickets, which are reflected in both the Facilio web app and the iungo mobile app.
- **Push Notifications:** Implemented real-time push notifications using **Google Firebase** to update tenants on ticket status and other important information.
- **Feedback Collection:** Designed a feature to collect feedback from tenants regarding their service experiences, helping to assess and improve service quality.

This middleware application played a crucial role in enhancing communication and service delivery for tenants, ensuring a cohesive experience across web and mobile platforms.

### 3. IT SERVICE MANAGEMENT SYSTEM DEVELOPMENT

Currently developing a comprehensive IT Service Management (ITSM) tool, designed to include modules for Incident Management, Service Request Management, Problem Management, Change Request, and Knowledge Articles. This dynamic, client-based product allows for extensive customization, including:

- **Customizable Forms:** Design forms that can be easily adjusted to accommodate the unique requirements of each client.
- **Business Rules & Workflows:** Define and automate business processes.
- **Schedulers & Activity Logs:** Manage tasks and maintain detailed records.
- **Multi-Channel Ticket Creation:** Enable ticket creation through email using IMAP configuration, WhatsApp, and other integrated applications.

This project is in progress and aims to provide a versatile and adaptable solution for managing IT services, facilitating seamless integration with various platforms and enhancing overall service delivery.