# Jaswandi Lande

## FULLSTACK DEVELOPER

Experienced Full Stack .NET Developer with passion and 4+ years of experience in developing Softwares & Websites for global customers and expertise in designing and developing scalable applications using technologies such as C#, ASP.NET, MVC, ASP .net Web API, Entity Framework, javascript, ReactJS, and SQL Server.

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## EXPERIENCE

### Software Developer
Ador powertron Ltd  *Jun 2020 – Present*

### Software Engineering Intern
Ador Powertron Ltd  *Dec 2019 – May 2020*

## PROJECTS

### Indus Web Application
- Responsible for design and development of IndusV2 web application using ReactJS and ASP .net Web API.
- Developed vehicle count reports using Highcharts to provide maximum speed, average speed, vehicle count, and speed distribution statistics reports with filters and a time range navigator.
- Implemented dashboard with analytical charts of speed and no-helmet violations data, violation density heatmap.Utilized Google Maps to display registered devices with online status,and hardware details.
- Created live notifications in React JS using a SQL trigger to show real-time overspeed and no-helmet violations to users.
- Implemented user, role and session management.

### Symphony Web Server
- Contributed to the design and development of the speed enforcement system (web portal) for the **Tamilnadu government**.
- Implemented VMS device management including VNNOX API authentication and integration with the web app , get player's information, player's screenshot images, and location management.
- Developed VMS media management, login, and database design.
- Developed Programs management including text, Image, Video, HTML, and Weather Widget development using Fabric JS, scheduling of programs, and multiple frames implementation.Integrated 'Open Weather API' for the weather widget to show live weather data.
- Developed Symphony Extractor Web API to find the closest number plate in the violation image using LINQ. Implemented user management.
- Developed speed enforcement module to view and edit speed violations, Provided controls and shortcuts to make the review and edit process easier for the user.

### Healthcare Portal for Orthodontists
- Developed a healthcare website for orthodontists to add and maintain patient records and make treatment plans.
- Implemented various features such as secure user authentication, patient record management, treatment planning, an analytical dashboard for cases, and user management.
- Migrated all data from MongoDB to MySQL using Python scripting to transform the database from non-relational to relational.

### Advanced Traffic Management System
- Developed an advanced traffic management system for the **National Highway in Gujrat**, involving the development of 6+ subsystems.
- Incorporated C# Windows services to establish connections with various hardware devices and collect data, and then integrate the data into the system.
- Created web pages for displaying various violation incidents, displaying site locations on a map, and displaying data using analytical charts through the web app.
- Worked on Hikvision camera for live streaming.
- Developed functionality for configuring and editing hardware devices.

### Remote Support Utility
- Developed a utility web application to provide technical support engineers with secure remote access to computing devices, enabling them to execute scripts, view files, and configure connected devices.
- Studied and utilized Amazon Web Services (AWS) technologies, including AWS SSM, AWS IAM, AWS S3, AWS EC2, and AWS RDS.
- Leveraged the AWS SDK for .NET during development and used AWS CLI for scripting.
- Ensured secure remote access to the computing devices within a secure network.

### VMS Interface for Symphony

- Worked on Variable Message Sign boards, Rest APIs, and its interface in web application.
- Studied and used VMS SDK, developed multiple webpages to access VMS and perform operations on VMS.
- Developed windows service and C# Web API for the application.Hosted web app using Elastic Beanstalk.

### Desktop Application for NTCIP VMSs

- Developed Windows Forms application for variable message signs, utilizing Winforms and NTCIP protocol.
- Implemented text, image, and preview functionalities to enhance user experience and functionality.
- Created a custom library for converting RTF text to NTCIP tags, facilitating seamless integration of rich text content.

### Software Engineering Intern

- Worked on Android application for android VMS devices.
- Utilized SNMP protocol and MIB to get device status and information of VMS android devices and displayed it on android app.
- Developed Windows Forms application for desktop version of speed enforcement system in campus.

## TECHNICAL SKILLS

### Software and Website Development
C# .net, ASP .net MVC, ASP .net Web API, ReactJs, C# Windows Services, javascript, jQuery, AJAX, Bootstrap, Entity framework , LINQ, HTML, CSS, Rest APIs, C# WinForms, C# Unit Testing

### Database
MSSQL, MYSQL, MongoDb(beginner)

### Cloud
AWS IAM, AWS ec2, AWS SSM, AWS S3, AWS .net SDK, AWS CLI Scripting, AWS RDS

### Libraries
FabricJS, ChartJS, xterm.js, Highcharts, Apex Charts, Material UI, Google map API, OpenWeatherMap apis, different SDKs for VMS

### Networking and Scripting
WebSocket Programming, Python, Sockets, Batch scripting, Shell scripting, Powershell

### Platforms
Windows, Linux

### Source Control and SDLC
TortoiseSVN, Git, Azure DevOps

## AWARDS

### Teams Tribute Award
Ador Powertron Ltd  *2020-12-28*

## COURSES

- Introduction to C# Programming (Coursera)
- AWS Fundamental Foundation (Pluralsight)
- Building web applications with ASP.net MVC (Pluralsight)
- Automating AWS Operations with AWS CLI (Pluralsight)
- Ethics in Engineering(NPTEL)
- Machine Learning and AI using Python(MyTectra ,Bangalore)

## EDUCATION

### B.Tech
Rajarambapu Institute of Technology  *2020*
7.6 CGPA

### HSC
Sadhana Junior College of Science
77%

### SSC
Shriram Vidyalaya, Kowad

95%