
LIKHITHA TARIGOPULA

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PROFESSIONAL SUMMARY

Software Engineer with 1year 3 months of experience in analysis, design, development and deployment of IT applications in the Railway Signaling and Production management, along with good programming skills in **C#.NET**

CORE COMPETENCIES

- + Skilled at All Phases of Project life cycle.
- + Application development using **C#.NET**
- + Strong analytical and problem-solving abilities
- + Effective utilization of Data structures
- + Knowledge on communication technologies such as **TCP**
- + Knowledge on **Indian Railway Domain**

WORK PROFILE

- **Efftronics Systems Pvt Ltd.**

Software Engineer

Oct 2020 - till date

Working as software engineer where I'm responsible for development of new features and applications by coordinating with team members.

ACADEMIC PROFILE

Bachelor of Computer Science with 83.98% from Vignan University in May 2020

SKILL SET

Programming Languages	C#
FrameWork	.NET, WPF, Entity-FrameWork
Source Control	Git
Database	Oracle, MySQL
Tools	Visual Studio, Golden, MS Office, Miro, Click Up
Domain	Indian Railways

PROJECT PROFILE

- **Signal Faults State Machine**

Signal Faults State Machine is an application developed for Indian Railways to continuously monitor signal health and if any Malfunction in signal behavior, information will be sent to corresponding Railway station persons to take further action. It also predicts future chances of failure of signal assert and notifies to the corresponding person in advance to take further action.

Technology Stack: C# .NET, Oracle

IDE/Tools/Platform: Visual Studio (2019), Golden7

Client: Indian Railways

Responsibilities: Analysis, Design, Implementation, Testing and Maintenance

- **Application Server**

Application Server is developed for Indian Railways, Smart Buildings. It acts as a Mediation Layer that facilitates Communication between NMDL and Clients (Railway/Building) and vice versa. It Process Clients (NMDL, Railways, Building) requests and also maintains Data (Latest Status of Asserts).

By this application Client can get their Layouts (Station/Building) for plotting and Updated Status of Asserts (Signals, Points, Tracks, Lights ...) on Request which is helpful for simulation, Clients can also send Assert Status Modification request via Application Server to NMDL.

NMDL apprise Application Server about the Modified Status of the Asserts, receives Assert Status Modification request from Clients via Application Server.

Technology Stack: C# .NET, Oracle

IDE/Tools/Platform: Visual Studio (2019), Golden7

Client: Indian Railways, Smart Buildings

Responsibilities: Analysis, Design, Implementation, Testing and Maintenance

- **Track Editor**

Track Editor Application is a Tool developed for Support Persons to Plot Railways Layouts with the predefined Asserts with respective context menu available in the tool and then generates json file with the context data configured for the asserts plotted which will be further used by Client Applications to draw Layouts (Station/Building).

Technology Stack: C# .NET, Oracle

IDE/Tools/Platform: Visual Studio (2019), Golden7

Client: Inhouse

Responsibilities: Analysis, Design, Implementation, Testing and Maintenance

- **Central Server**

Central Server is developed for authenticating Clients and for sending corresponding Application Server Ip address to the authenticated Client and Client data will be sent to the corresponding Application Server.

Technology Stack: C# .NET, Oracle

IDE/Tools/Platform: Visual Studio (2019), Golden7

Client: Indian Railways

Responsibilities: Analysis, Design, Implementation, Testing and Maintenance

- **NMDL Configuration tool**

NMDL Configuration tool is developed for supporting persons to automatically generate configurations required for NMDL. It includes option for manual entering of configurations. By using this application one can easily visualize configuration mistakes.

Technology Stack: C# .NET, Oracle

IDE/Tools/Platform: Visual Studio (2019), Golden7

Client: Inhouse

Responsibilities: Analysis, Design, Implementation, Testing and Maintenance

- **RTWMS Configuration tool**

RTWMS Configuration tool is developed for Indian Railways to configure the details of Indian Railway employee roles and responsibilities at zone level, network level, station level. Grouping of faults at station level can also be done with the help of this tool.

Technology Stack: C# .NET, Oracle

IDE/Tools/Platform: Visual Studio (2019), Golden7

Client: Indian Railways

Responsibilities: Analysis, Design, Implementation, Testing and Maintenance