

Parth Patil

DotNet Developer

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SUMMARY

.NET Developer with 2+ years of experience proficient in C#, ASP.NET MVC, DotNet Core, Angular, and Web API and database management using MSSQL and PostgreSQL. Skilled in ADO.NET, Entity Framework and Windows Services.

TECHNICAL SKILLS

Programming Languages: C#, JavaScript, TypeScript, Python

Web Frameworks: ASP.NET MVC, Angular

Databases: MSSQL, PostgreSQL

Version Control: SVN, Git

Other Tech: HTML, CSS, AJAX, Bootstrap, jQuery, ADO.NET, LINQ, Entity Framework, Windows Forms, Postman, Windows Services, Console Applications, Debugging, RDLC Reports, DotNet Core

EXPERIENCE

DotNet Developer

Arya Omnitalk Wireless Solutions, Pune

(June 2022 - Present)

- **Cash Deposit System Enhancement:**

AngularJS, MVC, ADO.net, MSSQL

Contributed to an AngularJS and .NET application for managing cash flow at toll plazas. Implemented new pages, customized RDLC reports, and developed efficient stored procedures for improved database operations.

- **Consolidated Site Data Summary Solution**

DotNet Core, ADO.net, PostgreSQL

Developed a centralized system for consolidating data from multiple highway sites.

Created a site-specific service to aggregate and upload real time data to a .NET Core API.

Designed the dashboard application to display real-time consolidated summaries for operational insights.

Optimized data processing for seamless integration and accurate reporting.

- **Highway Device Management Solution (HDMS) Development:**

DotNet MVC, Leaflet JS, Bootstrap, ADO.net, PostgreSQL

Developed a device monitoring application using .NET MVC and PostgreSQL to replace the existing system for monitoring highway devices. Implemented RTSP streaming functionality by integrating and customizing the open-source RTSPtoWeb project. Created a Windows service to handle camera data retrieval from the database and stream processing. Implemented live device status monitoring and reporting features. Also used leaflet maps to show device locations on the highway stretch with live status. Used vis.js to display network diagrams and chart.js for visualizing data trends in dashboards.

PERSONAL PROJECTS

- **Personal Finance Management API**

Go, Gin, JWT, Gorm, PostgreSQL

Developed a RESTful API for personal finance management with JWT-based authentication, role-based access control, transaction tracking, category management, budgeting, and PostgreSQL integration using GORM, following a clean Architecture.

- **Stopped Vehicle Detection System**

Python, OpenCV, YOLOv8, FilterPy

Developed a system for real-time detection and tracking of stopped vehicles using YOLOv8, Kalman filters, and optical flow. Implemented ROI-based filtering, duplicate detection, and live annotations with performance metrics.

EDUCATION

2021-2022: Post Graduate Diploma in Advanced Computing (PGDAC) CDAC - IACSD, Pune

2017-2021: Bachelor of Engineering (Computer Science) - PVPIT, Pune

EXTRA CURRICULAR ACTIVITIES

RT-Sanitizer: Patent No: 201911038954 CBR No:31432 | I-Adapter: Patent No: 201911040245 CBR No:32337