

SITAL SITOULA

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EDUCATION

UNIVERSITY OF LOUISIANA MONROE

BS Computer Science Computer Science

Monroe, LA

Aug 2018 - May 2022

EXPERIENCE

Blue Cross and Blue Shield of Louisiana

IT Software Developer

Monroe, LA

Aug 2022 - Present

- Developed C# libraries and applications for EDI, streamlining file generation and parsing processes, ensuring compliance with industry standards.
- Engineered a C# library and service for efficient database transfers, utilizing SqlClient and multithreading techniques to slash transfer times by 92% (from 12 hours to 1 hour).
- Spearheaded the development and maintenance of REST APIs for the QNXT claims engine, enabling robust data importation and static analysis.
- Utilized TSQL and SSMS to expertly craft queries, stored procedures, views, and functions to extract and analyze necessary information.
- Orchestrated and scheduled Active Batch jobs to optimize ETL processes, X12 file exports, and automated reporting, enhancing operational efficiency.
- Designed and implemented a secure API for file downloads, incorporating advanced security measures to ensure data integrity and confidentiality.

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Math Tutor

Monroe, LA

Aug 2020 - May 2022

- Provided comprehensive tutoring in Calculus and College Algebra, adapting teaching methods to accommodate diverse learning styles and academic levels, resulting in improved understanding and academic performance for students.
- Fostered a supportive and interactive learning environment, employing a variety of instructional techniques to engage students and clarify complex mathematical concepts, significantly enhancing students' confidence and skills in math.

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Emerging Scholar

Monroe, LA

Aug 2018 - Dec 2018

- Worked with a professor of the university to create a python script to analyze collatz conjecture
- Used React to visualize the collatz conjecture.

SKILLS

Languages: C#, Java, Python, JavaScript, SQL
Backend: .NET, Asp.NET, Entity Framework, Spring, Springboot, Hibernate, Django
Frontend: Angular, React, HTML, CSS, Bootstrap
Database: SQL Server, TSQL, SSMS, Postgres
Other: Git, TFS, Docker, Active Batch, RabbitMQ

PROJECTS

Daily Rhythms C#, ASP.NETCORE, Angular, SqlServer, TSQL, Git <https://dailyrhythmstracker.com/>
DailyRhythm helps you organize your day into manageable tasks categorized into Morning, Afternoon, Evening, and Anytime. It's designed to enhance your productivity by keeping track of your daily activities and helping you focus on what's important. Received positive feedback from users for ease of use and functionality.

Alumni Site(Capstone Project) Django, React, Postgres, Bootstrap, Git

Created an Alumni Site for Neville High School to manage users, members, events, campaigns, and scholarship. User can signup, login, rsvp to an event, donate on campaigns and scholarships, edit profile, and send friend requests to others. Worked as a full-stack developer in a team of 6 and was involved in implementing all functionalities.